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<223> Clone ID: 700943971H1

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aaagctgatt ttgaatctca tatccaagac agccacggaa accttcttcg acccaatgca 180

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<223> Clone ID: 700943972H1

<400> 38810

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acctaattcca tagacagatc taaattcgtc tcagtacttg ttctccgaga ccgaagcggc 180

tccttacata gatctggatt acgcggccat ggatccgcag actgagcaga taagtccg 239

<210> 38811
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943973H1

<400> 38811

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<212> DNA
<213> Glycine max

<223> Clone ID: 700943936H1

<400> 38812

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<210> 38813
<211> 247
<212> DNA
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<223> Clone ID: 700943904H1

<400> 38813

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acaacaacaa caacaacgtg tccctccgacc tgaaggcggt ctccgcccgc ctggccctct 180

cctccatcct cctctccgcc cctctccccg ccggcgccga catctcgagg ctcaccccat 240

gcaagga 247

<210> 38814
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<223> Clone ID: 700943906H1

<400> 38814

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tgggcgccgc aaagggtcgca ctaacatgcg ccgcaccgtc aagagtgtc ctcagagcat 180

ttgggtatggc cctgaccgtc ccaagtactt ggggtccattc tcggagcaga ttccatcata 240

cctgac 246

<210> 38815
 <211> 246
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700943907H1

 <400> 38815

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 cttgtggggg ccggcatcaa gccaacatct atagtgagtt acaaccatct gggcaacaat 180
 gatggcatga atctctcagc ccctcaaacc ttccgctcta aggaaatctc caagtaccat 240
 gttgtt 246

<210> 38816
 <211> 250
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 <223> Clone ID: 700943909H1

 <400> 38816

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 agtgaagagg tgaatgaaga aggcaccgaa gaaggcccta ctttgcagac agatcgggga 180
 agacactaat cttgaaaagc cacttgaata atgacattag agatgacagt tttaattttc 240
 ttgtttatga 250

<210> 38817
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700943910H1

 <400> 38817

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gcgcgggcaa caactgggca caggggcact acacggacgg cgccgagctc atcgactccg 180
tccttgacgt cgtgcgcagg gaggcgagaa atgcggatg 219

<210> 38818
<211> 247
<212> DNA
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<223> Clone ID: 700943911H1

<400> 38818

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tgtgactggt aacatcgagc cggagccgaa tgtggtgcag caggattttg tagacatgta 180
catgagattc atgcagcaat tcaccgagtc attggcaaaa atgaagcttc ctgtggactt 240
tgaaagt 247

<210> 38819
<211> 183
<212> DNA
<213> Glycine max

<223> Clone ID: 700943912H1

<400> 38819

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ggcaagcaga agaagaagaa gtggagcaag ggtaagcaaa aggcaaaggt gaataacatg 180
gtg 183

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<212> DNA
<213> Glycine max

<223> Clone ID: 700943913H1

<400> 38820

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 tcaagctggc gtctgagaac caagacaccc ctgtccgaga aatcaagccc aagaaccgga 180
 gattcatggg tgctggaggc cctgatgacg aggacatagg tgggccacat ggctggaaac 240
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<210> 38821
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 <212> DNA
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<223> Clone ID: 700943915H1

<400> 38821

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<210> 38822
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 <212> DNA
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<223> Clone ID: 700943916H1

<400> 38822

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 cactgttatt gggttagtcg caacttgttg ctactgtgtc tagcgaattg aagtctatca 180
 caatagaata tcgagggaaa ttttacctga gtttctgaag gaagaccatg atttcgtggg 240
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<210> 38823
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 <212> DNA
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<223> Clone ID: 700943917H1

<400> 38823

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tctgctgtta acttggtgcc atttaacttg caaaaagctc aaccttcatt tgctcaatat 120
 gatgctacgt ttaatcagtt aggtcagatg tcacaaactc aggcctcact tggctatata 180
 cctccttcaa ccccgataat gggtcctttt ggcaccacag gattaaatca gacatctagt 240
 gaggggtg 247

<210> 38824
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943918H1

<400> 38824

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 ccaaggagaa actagtgatt gaggatgatg gtaaattcaa tcaagaagaa gcaaaaggga 120
 tcgaagaagc aacaaaaaca ctgttactaa atactgcaac agagagccta acagaggaag 180
 aagtccagga aatattgccc actcctgcaa ttgtccaacg tgacacaaag caaatcatgc 240
 aacaacaa 248

<210> 38825
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943920H1

<400> 38825

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 tcttgtgcta ttgttcttct tcatgtcaac ttggtttgtc tgggtgctga ttgtactttt 120
 ctgcattggt ggtattgagg gtatgcacac ttgtattgta agcctcactt taagaaaatg 180
 ccacaattgt ggtcagaaga cagtgagctt acctctattt ggggagattt ctattttctc 240
 cctg 244

<210> 38826
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943921H1

<400> 38826

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 tctggttggg gggtttggaa caaggctgag gccactgaca ctcagttttc ctaagcctct 180
 tgttgatttt gctaacaaac ctatgattg catcagatag aggcccttaa ggc 233

<210> 38827

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700943922H1

<400> 38827

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 ccatgtgcct tgggtgcaatc cacctttctc gaataaagag gttggtttat ggagcgaagg 180
 ctgaggcagc aattgctatt gggtttgatg atttcatagc agatgcactg cgaggctactg 240
 gat 243

<210> 38828

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700943923H1

<400> 38828

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 tctcgccctt gttgctaagt acttggtcag gaacgaagat ggtgtctcca ttgctgctct 120
 caacctcatg aaccaggaca aaatcctcat ggaaagctgg tactatttga aagatgcagt 180
 ccttgaaggg ggtattccat ttaacaaagc atatggaatg acagcctttg aataccatgg 240
 aacg 244

<210> 38829

<211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943924H1

<400> 38829

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 gacaacaaaa gctcgagatc tggtttcact ctatggagca gatgcatatc ctttcaccga 120
 ggagagaata aaagaaatag agacagaaca agaagagact gcaaaggggt ggccggagaa 180
 gctgaagcat gaattacatg agcatgagct tgtgttgacg cgccgcaggg tgtattactg 240
 tgatgct 247

<210> 38830
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943925H1

<400> 38830

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 gtgctttagt ggtgagttta tcagagtgga ttagggatat gagattgttg tatccctcta 180
 tgaatttatt ctgaggtatg ctatatatga ttgcttcata tattttttat gcacacttcc 240
 acggtgg 247

<210> 38831
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 <212> DNA
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<223> Clone ID: 700943926H1

<400> 38831

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 agatttgcca gaaggatgca ttgccacaat actgtcatat aacagtcctg tggatg 176

<210> 38832
 <211> 197
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943927H1

<400> 38832

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 aatagagctt cgaatcgaaa ctgagaatta gaaaaaaaca caaatcaca tcacaatggc 120
 aaggtacgac cgagtaatca ccgttttctc ccccgacggc cacctcttca cagtcgagta 180
 tgccctcgta gccgtcc 197

<210> 38833
 <211> 129
 <212> DNA
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<223> Clone ID: 700943928H1

<400> 38833

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 ctttcttagt tgctccttgc cataagttaa aatggcccaa tacactttcc tatacgcac 120
 tgaatcagt 129

<210> 38834
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943930H1

<400> 38834

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 aagagtattg ccctcagaac tgcaatcatg ttccccgcaa tcgtttctgc cattttcttt 120
 gtattaaatg ctctcatatg gggacaaaaa tcatctggag ctgtgccatt tgggaacatg 180
 tttgcctga tcttttttag gtttggggat tccggttcaa ctgttttcgg ttggtgccaa 240
 gctgggttta aag 253

<210> 38835
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943903H1

<400> 38835

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 aatttcgcag attcaaatct tcagactttt cctccttctg gagctcaggg caagatcacc 180
 gctgcttccg ggcctcctcg tgacgctgat gattcatttt caaaacctgt atctggttct 240
 gatga 245

<210> 38836
 <211> 221
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943931H1

<400> 38836

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 caacagttcc agacaatgga acaaccgagg taatcaagac ccaggatata acccggaacc 180
 catacaagca atgaagctcc tgcaacagaa caagcagcag c 221

<210> 38837
 <211> 284
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943932H1

<400> 38837

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 tgagtggagg aaacaggagc caaaccttcc tggcctctgc tattggaggc aagttggtgc 180

tgctgttact gttaatccca gaagactcat tgtggtagct gctgctgcac catagaagtc 240
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<210> 38838
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943933H1

<400> 38838

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 tgcaagttca accatcctga tcctacagct gttggaggag gaggaggtac acctccttca 180
 gggatatgta atggaggggtc tatttcatta caaggtgtat cacaacatc tgtaccctcc 240
 tggctct 246

<210> 38839
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943934H1

<400> 38839

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 agccaaagag gcctccaagt gctttcttcg ttttcatgga ggagttcagg aaggtattca 180
 acaaagaaca tcctgaaaac aaagcagtgt ctgctgtggg caaagctgct ggagcaaaat 240
 gga . 243

<210> 38840
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943935H1

<400> 38840

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 acaagttgaa caaatcatca aagacattaa ggagttcaaa gaaagcacta aggttgacaa 180
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<210> 38841
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943864H1

<400> 38841

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 tgaggaggtc tggaatgaca gaaatccctt gttgccttct gacccttacc agagagctca 180
 ggctagattc tgggctgact ttgttgacaa taagatattt gatcttggaa gaaagatttg 240
 gacatcaaag ggagaggaa 259

<210> 38842
 <211> 227
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943865H1

<400> 38842

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 tgagaggttt attgggatgg agactttgaa gatggagatg atgaaggaga cggaacggtg 180
 taggttggag atggagaaga tgcggatcca gatgattctg gaatcac 227

<210> 38843
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 <212> DNA
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<223> Clone ID: 700943866H1

<400> 38843

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ttgagagtcc taacgtgaag tacacagaga ctgagattca gtccgtgtac aactatgaaa 180
ccactgaact tgttcacgtg aacaataatg gcacttatca gtgggttgct aagcccaaaa 240
ctgtcaaata tgaatttaaa ac 262

<210> 38844

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700943868H1

<400> 38844

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tcccaaactc agctggtcga ctctcccgag tctgaaagtc agcgggtcga ctcacctgag 180
tctaagattc gtcgagttga ctogtccgag tctcaactcg actcgggtct tgactcggag 240
gtgcgtctac aagacga 257

<210> 38845

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700943869H1

<400> 38845

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ctcccacttc aaaattcatg tctccctctt cctccacgc gtcctcatc attctcttcc 180
taggttcgc acacgcgtc aagggtccct tccgagtcaa cgatgttctc cccgttctcc 240
cccacggaat ctctggccg 260

<210> 38846
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943871H1

<400> 38846

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 ttgtcaagcg cagtgtgaa tataaacctt tgcagttttt agcctttgcc tttgtttata 180
 ggctttttga gaagttaaaa acctttgaat ctctgtaac ccccaaatat aatgaagagg 240
 gtgaagacac aggcga 256

<210> 38847
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943873H1

<400> 38847

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 caaggatctg agttgagttg agtgatcatg tgtggtggtg cgattatctc cgacttcata 180
 ccggcaggtc ccgccagcgg ggcgcggcgc gtgaccgccg acatcctgtg gccgagtttg 240
 aggaagcgc 249

<210> 38848
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943874H1

<400> 38848

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<400> 38851

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 aaaagaagaa aaagaatcaa tcattcattg atcgctgaaa cgatacgatg acaggggaagg 180
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<210> 38852

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700943879H1

<400> 38852

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 gacatcgcta aattatggcg gccggacggg tttcctggag gaggacaagt cctggatcga 180
 ccaaattccag gagaaggtag cctcttttga gtcctaccat gtcattgtacg acacaaaggc 240
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<210> 38853

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700943880H1

<400> 38853

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 gcctcccacc gtgccacctc ttcaggtgta aaaatggggg tatctgccaa gaaatctaga 180
 aaaagaggaa aaagggacag tgattcagat gaatacgata atatggagta tgaagagggtg 240
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<210> 38854

<211> 164

<212> DNA

<213> Glycine max

<223> Clone ID: 700943881H1

<400> 38854

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 cccgcaaagg cagagaagaa gcccgcggag aagaagccgg cagagaaggc cccagcggag 120
 aagaagccga agggttagaa gaagatatcg aaggaaggag gaag 164

<210> 38855

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700943882H1

<400> 38855

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 gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagttt 180
 acgtcatggt cgttttacag agcagggata gcagagtttg tggccacttt tctgtttctc 240
 tacatcaccg tcttaa 256

<210> 38856

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700943885H1

<400> 38856

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 tcgtggtggt atgcagatct tcgtcaagac ccttacgggt aagactatta ccctcgaggt 180
 ggagagctcc gacaccattg acaatgtgaa ggcgaagatc caggacaagg aaggaatccc 240
 accggaccag cagag 255

<210> 38857

<211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943888H1

<400> 38857

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 ttcagagtag tacagatatt ttccttatgt atacttatat ggctatattgc ttccactggg 120
 atgttttgca gctttcttat tttttcttgg atctccttga tttggatgag gaggctggca 180
 tgatccagaa gtcaactaac caaactgac aaaatgagaa tgtatttact tattatttct 240
 ttggcttttt tggga 255

<210> 38858
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943889H1

<400> 38858

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 gaatgaactt gattcattag gcggttgtga agggaatacc ccagagcaaa tcagtgcaca 120
 attagaaaga ctaaatacaga caattaggcg tgagagccaa aggtactctg aatcaatcga 180
 tgatctcagg atgctgtata agaaaaaaga gcgtaagatt ataaaaaggc agcaagttaa 240
 caaaactctt c 251

<210> 38859
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943891H1

<400> 38859

gggatgtgaa gatggagtac aaaattttga agcagaaggt gagagaacac aacaagaagg 60
 acgcacagtt ttacggcagc atatttgcaa aatgaataa actagaacaa gcaagaacag 120
 caacagcaaa gcaggagccg gtgccaatga ctattgacag caaagcttaa atttaaattt 180

gagagatatc tctgtctgtg gtcgtctctg catagtagca tattccaatt gttgtgtcgt 240
aagtcttggt aa 252

<210> 38860
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700943892H1

<400> 38860

accacattga tctttcaaaa tcttcataaa acaaagttct tatgctccaa aattggatcc 60
ctgacctgcc attgaagatg aatctaata agctaagggt aaatcatctt ctgagttgag 120
ttgattgggt acagaaacgc agcgtttaga gcaccagcga aactcttttg cacgaacaat 180
gaagcttcag attttcacc c aactaaacca atctcaaaaa tccgcattgg cgggtggtttt 240
cgtcattctc tt 252

<210> 38861
<211> 227
<212> DNA
<213> Glycine max

<223> Clone ID: 700943893H1

<400> 38861

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agccctcctt ctatgcccag cgtaccaaga tcttcatgct gttgcttccc ctcaaagaag 120
tccaccaacg atgtctcaga ctttcaaaga aacgcaaaga gggaagaact tgaggccgcc 180
atttttaatc tcaaggaact tgacaattac gatgagcatg agaggtc 227

<210> 38862
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700943894H1

<400> 38862

gccactggtc cacttgggaa ggaactcttt gaaaaggaac aggatgatct actctcgat 60

ctgaaagatg taccaaaagc agcttgtgat cgaagaatca atgagtttgt aaaacgggcc 120
 cgagcagcca agatacatgc ttacattatc agccatctta aaaaggagat gcctgctatg 180
 ataggcaaag ctaaagctca acaaaagctc atcgataatt tggcagctga atttggaag 240
 gtacaaagg 249

<210> 38863
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943895H1

<400> 38863
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 aacacgtgca gttggcttac acacaccaca acgaatcacc gtggcatccc agatcatttg 180
 ctgttaagga tgagatattc tgcttgtttg agggggctct agacaatttg ggcagcctga 240
 gacaacagta tgga 254

<210> 38864
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943863H1

<400> 38864
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 tgggacaaga ggatctccca ggaggtcctt ggtgacgccc tgggtgagga gtttaaagga 180
 tatgttttca aaatcactgg tgggtgtgac aaacaaggat tcccaatgaa gcagggagt 240
 ttgacccctg gtcg 254

<210> 38865
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943896H1

<400> 38865

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 ggcataacaa attgctgaat atatatagag aaagttaagt tctttcgaat tcctagacta 120
 aacaagaggg agaaattggt gttagcacia gataaaggag ctttattagt ttcttggtgc 180
 tatattgtga atagagctgg cactatgtac cttgatctca agagataaaa gattttaatt 240
 tgagagaatc attga 255

<210> 38866

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700943902H1

<400> 38866

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 ctgcgtttct ctattctctg ttgtctactt cggattccgg ggataaagtt ggtgaagctg 120
 ataagaagaa tgatgatgag gtggcaggtg atgactcttt actatcagac tcagccacga 180
 aggaaagttt tgttgtgaag aaaagtttgt tttccaggag caaacattca cttggtaggg 240
 ccattcacca aatgggtgga ttttag 265

<210> 38867

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700943828H1

<400> 38867

ctcettacc accattagag aaagtaggga tgccaggagt ggaggagaaa ccagtggata 60
 ctttgtccac tgcagctgaa ggtaatgtgg aagatgtaaa acttcctgat aatggaaatg 120
 tggagttggt atcttatcca gagttggtaa aactatgcaa agagatggat gctgctggac 180
 ttcacaaatt catatctgat aaccgtaaga accttgctgc tgtaagggat gaaataccaa 240
 atgctttaag agctgctcct 260

<210> 38868
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943829H1

<400> 38868

ccctcgagcc gattcggctc agcttttaaa ccttagtctc ccacggaaga cttcaacaga 60
 agaaaaagga agaattaata tacactcttc catgggtgcc gacgaagctt caccattcga 120
 gaccagcgat atgctggcaa cgctcctggc gtcgacgccg ctggtgtcag agtcatggcg 180
 gctgtgcacc accgtggccg ccaccgcgcc gaggagtttc atgactgagc agcacgggtg 240
 cggcgggtgtg gtgtacgtcg ct 262

<210> 38869
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943832H1

<400> 38869

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 cagctgttct gctgatgaaa agaagtgttg cattgcaaaa ggggctaccc attcttggtg 120
 tattcaggac ttttgcagca gttggtgttg atcctgccat catgggtgtt ggccctgctg 180
 ctgcaattcc tgttgctgtt aaggctgcag gtctagagct tgatgatatt gatctttttg 240
 aaataaatga ggcatttgcc tcccagt 267

<210> 38870
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943833H1

<400> 38870

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 tctatggccg catttcaagt atgtctgcag gtttggttgg cagtgtctct tcttgccgat 120

ggctctggctg ttgctgggca ggcaattctt gcaggtgcat ttgctaataa ggacttcaac 180
 agggccacag caactgcac cccagattcta cagatggggtt tggttctagg attggcactt 240
 gcattcattc ttggaacagg attgc 265

<210> 38871
 <211> 269
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943835H1
 <400> 38871

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 aggccgagaa gaagcccgcg gagaaaaagc ccgcagagaa ggctccggcg gagaagaagc 120
 ccaaggccga gaagaagata tcgaaggaag gaggaagcga gaagaagaag aagagaacaa 180
 agaagagcgt ggagacctac aagatttaca tcttcaaggt gctgaagcag gttcaccccg 240
 acatcggaat ctcaagcaag gccatgggg 269

<210> 38872
 <211> 221
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943836H1
 <400> 38872

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 tgtatttgta tcccttttgt ttttaatttc tttttcttc caagtattta tcatcatgtg 120
 ttcactttta tataatgtgg aggatcatta gccaaagttt ctttttgct gtttcattcg 180
 taagtgggtg atcttcatca tcatcatgct tccgcacaaa a 221

<210> 38873
 <211> 178
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943838H1
 <400> 38873

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 tacgtagac aaccogaatc ccttattaag caggggttcc gcggcgcgag acggtgacac 120
 tggcagagtg gaatttccgc cgccattcga agctacagcg atggccataa ccgccacc 178

<210> 38874
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943839H1
 <400> 38874

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 gagaaagcga tcagcagaca gaagattttg cttcatcatc tcaacccttc atcgtctacc 120
 cacgtcaacg aatcatcctc cctctatgct tcagcatgtg tggcggggga cagcgctgct 180
 tatcaaagga catcgacatt cagggatgat gttgtgatcg tggctgctta tcggactgct 240
 cattgcaaag gtaaacgtg 259

<210> 38875
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943840H1
 <400> 38875

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 ttctcttctt caccgtggtt agctccacat atgtgccatg caaccacgc cccaaaactc 120
 caaacacccc acctgtccca aagccacctt ccccaaagca agcaagttgc cccaaagaca 180
 ctattaagtt tgggtgtgtg gctgatgtgt taggtttgat caacgtgcaa cttgggaagc 240
 caccaaagac cccatgctgc 260

<210> 38876
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943841H1

<400> 38876

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ccaatgaagg gaatgcttac cggaccagtt gagaatggta acaggaccgg taagcattct 120
caactggtcc tttgttagaa atgaccaacc tagatctgag accacctacc agattgcttt 180
gtctatcaag gacgaagtgg aagacctga aaaggctggc atcactgtta tccaaattga 240
tgaagctgct ttgagagagg 260

<210> 38877

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700943843H1

<400> 38877

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aggaaattta agtgaagaga gaatgatgat gaagtctgct atgtgtgcat tgggtgcttgt 120
ggcactgggt gtggttgaag tggggcccat ggctgaggct gcggtgactt gcaaccaaac 180
acagttgact ccttgtcttc cggcaattaa ttcaggttct gcaccttga gtgcttggtg 240
ccagaagctg aaggag 256

<210> 38878

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700943844H1

<400> 38878

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attgaaagcg tgagaatgcc ggtgaagaag tattactgcg attactgca caagctattc 120
caagacacac cagcagatcg gaaacgacac gttcagggca ttcaacacca ccaagccaaa 180
gctcgctggg attttgccgc tacggcgact cttgcaaata tctccatccc gttcccaaca 240
acaatgtcca gcag 254

<210> 38879

<211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943845H1

<400> 38879

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 cacttatgaa gataaagatg gagattggat gcttgtaggg gatgtgccat gggaaatgtt 120
 cattgagact tgcaaaaaggc tgaaaattat gaagggttct gatgccattg gtttagctcc 180
 cagggccatg gaaaagtcta aaagcaggat ttagggatc ctggatttcc tcttttgtct 240
 aatcaagtgt ttattgt 257

<210> 38880
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943848H1

<400> 38880

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 cgacgaaatg cttcggggag ttgaaaataa gcgtagatcc ggggattccc gatataggtc 120
 aacctttcga actgctgctg aatccacggg caggcaagag acaacctggt gaactgaaac 180
 atcttagtag ccagaggaaa agaaagcaaa agcgattccc gtagtagcgg cgagcgaaat 240
 gggagcagcc taaacgtgaa aacgggggt 269

<210> 38881
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943849H1

<400> 38881

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 ctttctttct ttctttcttt ctttatcttc tcatttttct caatacaatt ttgttctttc 120
 tgtctcaagt tttgctactt ttctcttctt aaccatagtt cacatattat atcatcacat 180

atcatagtga tatcatatca caatgtgtgg catacttgct gtgcttggtt gctctgattc 240
 atctcaagcc acaaggggcc gcgtcc 266

<210> 38882
 <211> 106
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943850H1

<400> 38882

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 atctattgag aataagaata tatatttttg ccaaaaagca gaaaaa 106

<210> 38883
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943851H1

<400> 38883

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 agagcttggc tttgcttctc gattctctct cctctcatct ttctcattca aggtttgtat 120
 aagatggccg atgctgagga tattcaaccc cttgtttgtg acaatggaac tggaatggtc 180
 aaggctggat ttgctggtga tgatgctccc agggctgtct ttcccagtat tgttggccga 240
 cctcgacaca ctggtgttat gg 262

<210> 38884
 <211> 189
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943852H1

<400> 38884

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 tcataacatc aaattcgtat gtgcttttgc ttaccctaaa atctccatcc ctacaaaaag 120
 aagaataaaa acaagaagaa gtttaacatg tcagctgccg tggccgcttc cgctgccgcc 180

gctaccatg

189

<210> 38885
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700943854H1

<400> 38885

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aaagctgtag gcctgtagtt gttcattttg tgcctaattg tgacttgaca attagctata 120
agactgtttt gttgtagaac attttgaata tagctcgaag atttcattat ttggaggtat 180
gcagcagcgg atagaatgtc aaaactcaaa ttcttaagca ttcttcotta ttgtagcatc 240
aggggttttt ttctcgagcc g 261

<210> 38886
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700943856H1

<400> 38886

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agaaaggaaa aggcaagaaa gatgtcgggg caaacgcagc gtctgaacgt ggtccccacc 120
gtgacgatgc tgggagtggc caaggcgcgt ctagtcggcg ccacgcgcgg tcacgcgctc 180
ctgaagaaga agagcgacgc gctcacggcg cagttccgcc agatcctgaa gaagatcgtg 240
tccacgaaag aatctatggg cga 263

<210> 38887
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700943857H1

<400> 38887

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 tttattttttt atttttttgc tcgaatctga atagatcaga aggtgatg_{tc} gtgttcg_{tcg} 180
 tcatctgggt cggaggaaga cgatgag_{ga} ttcgactctt accggaa_{agg} aggctaccac 240
 gccgtcagag tcgccgatc 259

<210> 38888
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943858H1

<400> 38888
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 agctgtcgca gccacgggat cagctgctga agatacttat catattatcc aaaagggg_{aa} 180
 tatctcaagt catgatttcg agaaaacgtt gaagaagatg tgcaaagaag gtgtatattg 240
 gggaactata gctggcg_{tt} 259

<210> 38889
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943859H1

<400> 38889
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 gtcccttaaa cccaccacac ttcaaagtca tgggtattcc atgggacgac gtcgtt_{gtga} 120
 tccagcaagg gaaggatcac aatgagccct gcacg_{tcac} cgtcaattgc cccgacaagg 180
 ctgggtctcg_g ctgtgatctt tgcagaatca t_{cctcgagtt} cgg_{tctccgc} attacccgtg 240
 ctgatatttc cac 253

<210> 38890
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943860H1

<400> 38890

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 atatctgata aatgcactca acatacaagg aactgtttgg atagagtga tgcgtgcact 120
 tctgtacttt ttttgatgca caaggatgct aaattgcaac cgattatgtc tttattcaag 180
 gaagatattg ataacgtcat acataaagtt ttttctttaa agacatcagg gcggatcagt 240
 acgacaattg aag 253

<210> 38891

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700943827H1

<400> 38891

gcggctgtct ttgttgaagc attcaaaagt gcgaggtgcg tattgtctag gggttttctc 60
 aaatggcaat gatccaacta ctcttttagg aggcattggt gttcgtaaca ctcttgtaat 120
 gtatgatcgt gagcattcaa aaattggttt ctggaaaact aattgttctg agttatggga 180
 aagactacat gtctcaaag cccaccacc cttgatgcct cctaaatctg aaggaacaaa 240
 tttaacaaaa gcatttaagc cc 262

<210> 38892

<211> 152

<212> DNA

<213> Glycine max

<223> Clone ID: 700943861H1

<400> 38892

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 accagaagcc atgactgagg aacgtccact cttacaagtg aatgcatctt gtccaggatc 120
 agacattgca gctgaaactg cagcagccat gg 152

<210> 38893

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700943789H1

<400> 38893

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 attaattaaa tgcattgccag ttaaaccata tcaattatat gcatgctgtc ctgtggagaa 120
 aagaacaagt cgggtgtcttt gttagttcac tagaattata ctttagtaag taagcaaaaa 180
 taagttgatg catgtgttgt gtccatcctg ttctttttct tttgtaca 228

<210> 38894

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700943790H1

<400> 38894

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 atattgatga gtgggagttt ctctctgatg atggctacct tgatttcaat gaagaggggtg 120
 ggaagcaaaa gcaaaagcag aattcctttg gaaaattgga ctccgagggc atctttgaca 180
 tggactactt ttgtcatca ccaccaccac caagggtgag aactcaa 227

<210> 38895

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700943791H1

<400> 38895

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 gataaacatg atgctatcac ctaaaccctt tggagttcag cctaccacag tgaaagaaat 120
 accaagcaag gtgttacaag aattccttc agcggcaaat ggaactggtc ataaccatac 180
 atcaggagct tctatcagtg gcagtgcacc ggctgctaag gcacaggtt 229

<210> 38896

<211> 219

<212> DNA

<213> Glycine max

<223> Clone ID: 700943792H1

<400> 38896

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 ttcaatcgat tccaaagtct aaaactgtga acgttcttta ttgtgaactc tctgataacc 120
 gaagaaaagg acatggcctc aagaacagtt gcaaaagaca taatcactct tcgcgggttc 180
 gctgcaattg ttagcgagtt cttcggatat gctgctaac 219

<210> 38897

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700943793H1

<400> 38897

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 aaagtaacct ccctcatgga agagctctca gcggggcctc tcgtccccgc cgtcgtcaaa 120
 cctgaaccgt ccaaaggcgc ctccgccgct gcctccggcg gcacgtcccc ggctccacg 180
 tcggagccgg accaggactt cctctgtccg atttgcattg agatcatca 229

<210> 38898

<211> 228

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700943794H1

<400> 38898

gccttgccgc ggaaaactcc tgggggtctct aatggcctct gcaacattga ctcttctatc 60
 ggctctagtg tctctcagct tgccaacaca aatcttagct gataactact tgtactcatc 120
 acctccacca cccaccaagt acccaccggt gtctcctcca taccactatc cttccccacc 180
 tccaccacca caatattaac atnaatctcc ancaccacct tctccttt 228

<210> 38899

<211> 232

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700943795H1

 <400> 38899

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 cgcagagatt ccggagtgga tccgcgtctt caaagatggc accgtggaac gccacttga 120
 ttttccgata gtgccaccca ctctcaacac tggactctca tccaaagaca tcaccatctc 180
 acaccacct ccaaaaccaa tttctgcacg catttacctt ccaaacaatca cc 232

 <210> 38900
 <211> 223
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700943796H1

 <400> 38900

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 ttcccttctg agcatgagag gtttatctac acaatcagaa caattcaagg atcccttatt 120
 gtttcttctt tcgtcaatat cttccttggg tttagtaaga cgtggggaaa tttgacaagg 180
 ttgtttagtc ccataatcat ggctcacttt ggtatgtgtg gcg 223

 <210> 38901
 <211> 271
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700943801H1

 <400> 38901

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 caaagaagggt ttttggttgg gctgctcggg actcatctgg gcttctctcc ccattcaact 120
 tctccagaag agaaacgggg gagaaagatt tggatttcaa agtgcaatac tgtggaatat 180
 gccactcaga tctacatatg ttaaagaacg agtggggcaa cacaacctat cctctggttc 240
 ctgggcacga gattgctggg gtggtaacag a 271

<210> 38902
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 700943802H1

<400> 38902

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catgttcacc acctctgccg agcgggaaat tgttcgtgac atgaaggaga agcttgctta 120
tgttgccttg gattatgagc aagaacttga gactgcaaag agcagttctt cagttgagaa 180
aaactacgag ctctctgatg ggcaagttat caccattgga gctgagagat tccgttgccc 240
tgaagttctt ttccagcctt ctatgattgg a 271

<210> 38903
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700943803H1

<400> 38903

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ttgtgtgtgt gaagggtgtg gagccaaaag cctcaccac ttgtacattt ccggcagttt 120
acaacttttg ggactcaaac tcagacactg gaggcataac agcttcattt gtgccaattc 180
ctgcacctta tggcgagggc ttctttcaca agccttcttg aagggaactgt gatggccgtc 240
tcattgtaga tttcatagct gagaagct 268

<210> 38904
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700943805H1

<400> 38904

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tggatctgaa aatcaccacc aatgagcaat agggactatc tggatttgcc aagccaatag 120
gatgcactat ctggattctc tggattttgt ggtgctgtag ggaagatttc ttttctccc 180

ataattgggtg ccttaatgtc acactgagat ggtctatttt cattactttt ccatcaatgt 240
ctattttttt tgtcttctct ttgttagt 268

<210> 38905
<211> 215
<212> DNA
<213> Glycine max

<223> Clone ID: 700943806H1

<400> 38905

cccatttatt tttcccttat ttgttttctc tcgatatttg tccataataa cgtttctctt 60
gtccctcatc ttatcctgca cccactccct tataaccccc cctacttcac cacttcacaa 120
tcaatcttct ttatccactc tctctctctc tcttaaaatt aaaactaagc atgtgctctg 180
ccatatccca agtggaacaa gaagagttgc tcgaa 215

<210> 38906
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700943807H1

<400> 38906

gggatcttcc agtacctggg cgggagctgt caggagttca ttttgctatg gagtttcttc 60
atgcaaatac taaaagcttg gttgatagca atctccagga tggcaacttc atttctgcca 120
agggaaagaa agttgtgggc attggtgggg gtgacacggg cacagattgc atagggacat 180
ccattcggca tgggtgtagt agcattgtaa atctggaact tctccctcag ccaccacaaa 240
ctagagcccc aggcaac 257

<210> 38907
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700943809H1

<400> 38907

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tttaagacct gctgggcatg ctatcattcg agagtcggtt tatattgtgg atgccattgc 120
 tactattggc aagggtatga gatgggtatg tcgcaaagaa aacaccgagt atggagttga 180
 caaagagaag attctgatat gccagaaaaa gctatggcac tcatccaaca atggttcaag 240
 atgacaaact ctggaacctg tgcagtggg 269

<210> 38908
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943812H1
 <400> 38908

gataccccaa aatcgtagca aactttatgc tataaatcta tttagatatt gatttgagac 60
 tttttcttca aatcttatgc acaatttatt atggacataa agacaagagt gaacttcctc 120
 cctaccctct gtaccacgc aggcaagaag aacattacac catctaagggt gtgcagagaa 180
 attcgaagct ttgattcaag accacctggc cagggagcaa acagcaactg cactaagcta 240
 tatacattca tggagcagaa taca 264

<210> 38909
 <211> 190
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943815H1
 <400> 38909

ctctctagaa ccgtacgggtc gtttctttct ctctctctcaa ccggagacag cgtcgccttc 60
 ttttctgaat ctgcggtgt tgttagttct gcggcggttg tagttccggc ggcgatggga 120
 cagcaatcgt tgatctacag ctctcgtcgt cgcggcaccg tgatcctagc ggagtacacc 180
 gagttcaccg 190

<210> 38910
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943817H1

<400> 38910
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 ttatggagga gcaattcata cttagagttc cacctaattgt ggcagagcgg atagagcgtc 120
 ttctgaatga aaacaatgct tcttcattctg aagacaagtc actagatttg tcatttagag 180
 aggatggaag aagtggtagc tttatgattg ggaatgaaca attcccagct tctctattgg 240
 atcttccttg cgttggtgaa 260

<210> 38911
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943818H1

<400> 38911
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 aacagaaaag acaagaatga tgatgagtct agtgagagag ggcgtggggc tggcatggga 120
 ggattgttgg caggggggtgt tgctgctgct gccgctgcct atggtgctca ccatatggct 180
 catggatatc atcgttttgg acacggagcc tactatggtc atggaaagtt caagcatggg 240
 aaatatggca agcgttggaa gcatggc 267

<210> 38912
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943820H1

<400> 38912
 agaaatgtta agaaatgact tggagcttat gaagaaatca cttgaggaat ccgaggctcg 60
 gttacaaaact caaacagtgg aaagaaatga gctggtgagt gaaattgctt tgttgaagaa 120
 ggaagcagaa aggtcacttg atgagctaaa taggatgaag aatctcaagg atgaaaaaga 180
 gatggcaggt agagtgttgc agtcagagtt agaagcactt agagctcaat acaatgactt 240
 gaaaagttct cttattg 257

<210> 38913
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943821H1

<400> 38913

aagagtttaa agtgcgagtt aatgcttttg tagcaaaggc tcagaaaaca ccagatgaag 60
 gatggactat gcaagatgga acttcatggc caggaaacaa ctcacgtgat caccctggca 120
 tgattcaggt tttccttgga cacagtgggt cccatgacat agagggaaat gaacttccca 180
 ggttggtgta tgtttctaga gagaaaaggc caggctacca acaccacaaa aaggctgggtg 240
 ctgaaaatgc actggtgagg gtg 263

<210> 38914
 <211> 167
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943822H1

<400> 38914

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 agcgggaattc tcgattttga acctaaagca aagggtttta ctcaaaagt ttactggatt 120
 tcgtgttttt gttttttctt ttgatttttt gcattgagta gaccgaa 167

<210> 38915
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943823H1

<400> 38915

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 gcactgcctg aaaaccatgg tgaggacttt tgagacacat tgtggatcct tgtctcaata 120
 cgggatgaga cacatgaggt cctttgcaaa catctgcaat gtagggataa agaatgaaca 180
 aatggctgag gcttcagcac aagcttgtgt cagtattcct tccaatccct ggagttctct 240
 gcaaaggggt ttcagtgcac aataa 265

<210> 38916
 <211> 268
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700943824H1

 <400> 38916

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 cctcacttcc ttttccaacc gaaccttttc tccgataatc agagagagat aataatggat 120
 tgggggaaacg taaccgcgga ggatctgac gacgcgctcc gtgaggtgga ttggtcgtcg 180
 ccgccgcgcc ctctgtcgga attcttctcg cgattcacgc ttcccaggtc ttctccaaa 240
 tggaacagcc gcctcaaatt caatctct 268

<210> 38917
 <211> 262
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700943826H1

 <400> 38917

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 tcatcatctc cttttccttg ttctggtggc gctcttgatt ttcagatgac aacagcaatt 120
 ggggtgaaacg tgaacgccac caccgatcgg gggttgccaa aaccttaca tggaggtcga 180
 aaggatgaga cagttgatgc tgatgtggtg tagaatacga agcaaccgtg tcgctcttgt 240
 ggggtggaacc ataccgctgc ca 262

<210> 38918
 <211> 234
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700943787H1

 <400> 38918

 agaagaaggt gtgttgaga atgaaaactg aaacagagcc aatgaaacc gagtcagatt 60
 ggcgcgagtt gactcgcgag tgctcatca acatcctctc tcgactcagc gtcgaggatc 120

gatggcgcg caccatgctc gtttgcaagt catcgttcag cgtcttcaag gaaccctact 180
 cttcacttcg tcttcaacct cgaccctcaa ttcgactcgc ccaccgaatc aact 234

<210> 38919
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943751H1

<400> 38919

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 atggcgagga tcaaggttta cgagctgagg cagaagacga aggctgatct gctgaatcaa 120
 ctgaaggacc tgaaggcgga gcttgcccttg cttcgtgttg ctaaggtcac cgggtggtgcc 180
 cctaacaagc tttccaagat aaagggtggtg aggttgaaca tgcccaggtt ttgacggtg 239

<210> 38920
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943753H1

<400> 38920

aacgaagatt cctgcggaat ccgcgtcacc ggcattgcaat tctcctacga cgtgcagcaa 60
 ccgccgctct tctcgaactt caacctcaac gtctctcccg gatcccgtg cctcctcgtc 120
 ggtgccaatg gatccggaaa gacgactttg ctgaagattc tggcggggaa gcacatggtt 180
 ggaggaagag acgttgtgcy cgtcttgagt ggttccgctt ttcacgacac tcagctcgtt 240

<210> 38921
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943754H1

<400> 38921

ggcgtcgaag cgaattttga aggagcttaa ggatttgcag aaggatcctc caacatcttg 60
 cagtgccggt cctgttcattg aagatatgtt tcattggcaa gctacaatta tgggtcctcc 120

agacagtccc tatgctggag gtgttttcct agtgactatt catttccctc cagattatcc 180

ctttaagcca cccaagggtg cattcaggac gaagggtgtc cacccaaata taaatagca 239

<210> 38922
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700943755H1

<400> 38922

gtattacaac gcaccatgat ggttatgagg cactaccttc tgggtcccgag ctagcataaa 60

acagaagaag gaagaacata actttgccct tctatgattt tcatttgtgc aaatgtcgct 120

gaaatttttg cctttgtggg catactacaa atttaattct tttagtttct agttttaaga 180

atttttttca cagaaaaatg gagttcgaag tatttttcgga aaattagata tgatcat 237

<210> 38923
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700943756H1

<400> 38923

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ctctttctcc ggcgacgac tacgattccg gccactcctc tcgcggcgga gcccttactc 120

ttccctcctc cgtcgagccc tctccgattc gaatcgttcc cagcctcgca ccaccatgaa 180

tcccgaatac gattatttgt tcaagctttt gctgattgga gattctggtg taggca 236

<210> 38924
<211> 79
<212> DNA
<213> Glycine max

<223> Clone ID: 700943757H1

<400> 38924

ctcgagttgc ttccgggtgct tcaagtcttc attctctcca ttcaagtggc tctacaatca 60

cgtgcatttc catgggttt 79

<210> 38925
 <211> 225
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943758H1

<400> 38925

caaaactccc cttcttggtc ttcttctctt aatcctctcc accacattcg aaggggacgt 60
 tacaaaaaaa tcaccatttt ttctcattgt taatcaagtt aagataagat cattcctctc 120
 tatcaacaaa cctttattgt gtatatatat atatattccc acaattcaca tcactcttgt 180
 ccttcactca ttactctat atatccactt catataattt cctcc 225

<210> 38926
 <211> 229
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943759H1

<400> 38926

ggcccaactt agagaggtga cggtgaagga agagaatgct gcgttcgaaa atgcaatatc 60
 agattgtgag aataaaaataa aggagaaatt gcaggaggct gatttactga gggaaaagtt 120
 gaaggagatg gatgaaactg agaagaaact gaaagctgag gtggagaata tgaagcagcc 180
 aagttgggta tctgatggtt aggaggaaga gaagaaggca cattctaaa 229

<210> 38927
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943761H1

<400> 38927

caccaactat taccgggaga agtccccag caccacttgc tggcgatatt gctacaaccg 60
 attcagaaga gccacaatca ccagcaccaa gtcccaatgc gaatgctgca caatcatact 120
 ataggcaagg gaatatgtgg ccaactattg gactcactgc cattttgtta tctgttatcg 180
 cttgacacgt gcaacatgat tcaacttaag cagtgggttg gtttgcaaaa ca 232

<210> 38928
 <211> 216
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943762H1

<400> 38928

ctcgagccgt tttgccctgg ctattagttt ctaatgctta ttggttggca ttttattacg 60
 cactttaagg ttttgtatga attaaatcca ttattaacaa attatgacgt ggagattcaa 120
 tgataatggg tttaaaaaac tcttagaata gagtgaactc aacttcaaaa gttaactcaa 180
 aaaaaaaaaa aaaaaaaaaa aaaggaaaca cgatta 216

<210> 38929
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943765H1

<400> 38929

ctcgagccga tccaaccaaa aaggacatt ttgcgggtat ttgtgagtgt gtgagagaga *60
 gcgcgagcag tttcagacac agagagaggg gtttgggatt ggagggattg acgctgcgtc 120
 tcttctcttt ctctttcgat ccatecctca ttcctaattcc tccaatccaa ccacctcagc 180
 ctcacactca catatacaca tatctgaacg cgtatcgtcc ctcttatggc ttcaaagcgc 240
 atcctc 246

<210> 38930
 <211> 173
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943766H1

<400> 38930

atcataatgt aaataggaaa gactaatacc aaattcatta aaaaattcag gagaagcaaa 60
 aaaatgcaag gtcgtttgtc ttcttggcta gtcaaactg gactaattca tagatcattg 120
 ggtttcgatt accaaggaat cgagacttta caaataaagc ccgaggattg gca 173

<210> 38931
 <211> 220
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943767H1

<400> 38931

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 aagaagatga tctatcggaa gtggagtctc cttaccggcc cggtcacccat cctcggcggc 120
 gtagtcgtcg ccacgcgccg cgccaacgtt atcttcgtca agaattgatcc attcctcaaa 180
 ccagaggaga ggaactatga gaatcagcct gctaccaagt 220

<210> 38932
 <211> 231
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943769H1

<400> 38932

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 aattgagcca tcttatcccc ttaagaatgg tccaaatcca cctaattcctg gaccatcacc 120
 cccttcacct gtgaagccac caaatgtctg tgacaactac tacagctgtg ctgatagtgc 180
 taacttgtag ctgtatttgc gagttcggaa atgcttgctt tgcttggggg t 231

<210> 38933
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943770H1

<400> 38933

aaagaaccaa gaaaccaagc aaatcattgt tctctctgtc ctgtgttttg tgatttcccc 60
 cttcaagcca ccaccaatgg ccaacaacga gatgcaagtt gagagggggt tggacttgga 120
 aaggtacatg gggcgttggg atgagatagc ctctttccct tcaaggaacc agccaagga 180
 tggcgtgaac accagagcca catacactct taggaatgat ggcactgtgc aagtgtc 238

<210> 38934
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943771H1

<400> 38934

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 aatttaattt ctagaatat atattttcag agttaatttc agaacataat tttttctaca 120
 tttagaaacc gagtttatcg gatgatgtag acatgttgag attcaaattg attaataattt 180
 ttaggacaaa tatcacgata atcctttcct tgccaacaaa ggctttgaag tttcta 236

<210> 38935
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943772H1

<400> 38935

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 tatggattcc aacccaacat catgatgggc ctatccgaat atcaaaaaac aaacatcaga 120
 tatggagatt ctacagccaac taatacagca agatgggaaa ctaccagcgt catcttggag 180
 agccagtatt ctgctccatc caacatagct cgaccctttc taaacctaaa tgaca 235

<210> 38936
 <211> 231
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943773H1

<400> 38936

tgactaataa atctaaattt ttttaagaagt acgatactta taatcctaca ggagatactg 60
 ataacgctga aaaaaaaaaa aatgaattgg ctttaatacg ttattcccaa caatcggatt 120
 ttcggcgaga cataatcaaa ggatctatac gtgctcaaag gcgtaaaaca gttacttgga 180
 aattttttca aaaaagggtg cattcccccc tttttttgga taaaattgaa a 231

<210> 38937
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943774H1

<400> 38937

gcaccacaca ccgtttcact ccatttccca ctctttctag ggtttccctg ctatcttcct 60
 caattcgaac ccttcgcctt tccacccttc gatttcttct cttccaattc gtcaagcgta 120
 tccgcgagtc tcgatttcct tctctgcaag cggattggtc gcttgtgaag gaggaacatg 180
 tattcaagag ggagcggcgg ttacggccaa tcgtacactg gtcaatccgt 230

<210> 38938
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943775H1

<400> 38938

gttataaatg gcgtgtactt attttcccaa aagggaacaa tgtggactat ttgtccatgt 60
 atttggatgt tgcagattca gctagtttac cctatggctg gagtagatat gcacagttta 120
 gcttggcagt tgttaatcaa atccataata aatactctgt gagaaaagac acacagcacc 180
 aattcaatgc gcgggaaagt gattgggggtt tcacatcttt catgccgctt 230

<210> 38939
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943777H1

<400> 38939

aacagcacia agcgggttac tgtctgttca agctaccatc tctctctctc tttcttagtg 60
 cctccttgct agaagtttagc atggcccaag aaactttcct attcacatct gaatcagtga 120
 acgaggggca ccctgacaag ctctgtgacc agatctccga tgctgtgatc gatgcatgct 180
 tggagcagga ccctgacagc aaggttgcct gtgaaacctg caccaagacc ac 232

<210> 38940
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943778H1

<400> 38940

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 atagcttcca aatccaaaga tgctgccatc ccagccatgt ttgttagggc agagacagag 120
 caaccaggca tcacaaccgt tcaaggggtg aaccttgagg tgccaattat tgatttttagt 180
 gaccagatg aagggaaagt ggtgcatgag attttgagg caagtaggga ctgggg 236

<210> 38941
 <211> 207
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943779H1

<400> 38941

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 aaagctaatt tctcattttc ttttctggga ctgtagatgt tgtctctttg aaatctcctt 180
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<210> 38942
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943782H1

<400> 38942

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 ggcagcatgg ttctggcata taaaatcaga taagaagaaa ctaatggctg ctatcgatcc 180
 tgcccttgat gtaaaagaag aaacatttga gagcgtctcc atcattgctg agctagcagg 240

gc

242

<210> 38943
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700943783H1

<400> 38943

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tagtaggatt gtgtcttctt tcatcacact aaacaagtca caagaagagc atcactgaac 120
taacaaagca accctatgtc gaagggtggtt tctgtcacgc gagccagcgg cgccatcgga 180
tcatgggtgg tctactcct cctccagcgt ggttacacgc tccatgccac cgtccaaga 239

<210> 38944
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 700943785H1

<400> 38944

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aatgttatcc ccaacggaca cttccgtaag cactggcaga actatgtgaa gacctgggtc 120
aatcagccag cacggaagac aagaagacgg ttggctcgtc agaagaacgc tgtgaagatt 180
ttccccagac ctagagctgg aactcttaga cccagtgtac atggtcaaac ttgga 235

<210> 38945
<211> 219
<212> DNA
<213> Glycine max

<223> Clone ID: 700943750H1

<400> 38945

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tgctttcaca catattacaa aagacgttct ctggttttct ttctccctct atttcttcac 120
ttcctatctc atcactagca accccaacaa cacaccaacc tctgcagaca catcccatgt 180

ctcaaactcc gaatccaacg ttgtctctcc tacccttgt

219

<210> 38946

<211> 207

<212> DNA

<213> Glycine max

<223> Clone ID: 700943786H1

<400> 38946

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gcctccttga tctctagctc taatattgga aaagttgttg ttcaagttaa tacggcctag 120

taatgtgctt gatcttgatc tcaacaatag atcagcacca gatattgaac tctcttccat 180

atgtctgtcc ggattgtaaa ctctgtct 207

<210> 38947

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700943722H1

<400> 38947

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ggcttagggg ttggtcattt catgtttttg cgaattaggg tttgtgattt gaactccatc 120

ttcaccaatc accattacca taacttgatc ttctctctcg acataacgga cggcttctta 180

actcggcaac agaagcagcg gcttcaacct gcttccggtc atgcta 226

<210> 38948

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700943724H1

<400> 38948

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ccaacttttg cacagttccc agcaaaaaga tcaaaacaat gcagacagtt gagatcaaag 120

tcaaaatgga ctgtgatggc tgtgaacgaa aagtcagaaa tgcagtggct acaatcaaag 180

0022E0"ETFE560

gagtgaatc tgtggagata aacagaaagc taagcaggt gacagtgaat ggttgcgttg 240

<210> 38949
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700943725H1

<400> 38949

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atgctctcta tttcagccac tcgtatatcc ttcctccgct caacaactat aagattatct 120
tcttcttctt cttctcttca attcttctcc aatcccaacc gcacctctt cgtcccttt 180
cttcacactt cttcaaacc acttccttgc tcttctctt tccgaacaga tcacactat 239

<210> 38950
<211> 231
<212> DNA
<213> Glycine max

<223> Clone ID: 700943726H1

<400> 38950

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aagaatatga agcaaactct cttcttctcc ttccttctac tcaccaccat tttctcaatc 120
accactttag ctcagtcacc agctgcagcc cctaaagccc cagcaaaacc tgcccctgcc 180
acaccggctc cagcgccggc aaaaccttta gtcccttcat taccacagtc a 231

<210> 38951
<211> 231
<212> DNA
<213> Glycine max

<223> Clone ID: 700943727H1

<400> 38951

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cttcagtctc tctccgctt cccaaaatgg tgaaccctag atgcttctc gacgtcagca 120
tcggcggcgc gttagaaggc cggatcggtg tggagctctt ctccgacgtc gttcccaaaa 180

ctgccgagtc cttccgcgct ctctgcaccg gcgaaaaggg catcgggtccc a 231

<210> 38952
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943728H1

<400> 38952

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 ggtcttgcca gagaaagcca tgccagagac gaagattttt ggcatgctgt ttggccaaac 120
 actcccattc caagttcatt gcgagatctt ctaaagcctg gccctgcaag tgttgaaatc 180
 gatgatcacc ctatgcaaat tgaagaaaca cagtaccgga aaaccttctt ctataaa 237

<210> 38953
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943729H1

<400> 38953

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 actttacaat ttcatttcag atagcttctt gacacgttac tgactcactc aatggctgac 120
 cgagttcacc ccagccactc gccttcctgt tccgccgatt cacaaccgcc atcgccctcaa 180
 gactcccccg tcgttcgaa accgccgtcg ccaccgtcac cggagaagcc agtgccctc 238

<210> 38954
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943730H1

<400> 38954

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 aaacactccc attccaagtt cattgcgaga tcttctaaag cctggccctg caagtgttga 180

002220-ETFE560

aatcgatgct caccctatgc aaattgaaga aacacagtac ccgaaaacct tcttctat 238

<210> 38955
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700943731H1

<400> 38955

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atccaatcca atatcaaata tgagtcgtca tcccgagggtt aagtgggctc agagacttga 120
caaggtctat atcacgggtgc aattgggtga ttcaaaaaat gccaaagggtg atcttacacc 180
agatgggtatt ttaccttct ctggtagtgc tggtgctgaa gaccatcagt atgagctaaa 240
ac 242

<210> 38956
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700943732H1

<400> 38956

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cgacgggtgga tcccgagatc catgacctca tcgagaagga gaagcaccgc caatgccgcg 120
gcatcgagct catcgctcc gagaacttca ccgccttcgc agtcacgag gccctcggca 180
gcgccctcac caacaaatac tccgagggca tagctggcag acgatactac ggcggcaacg 240
aatt 244

<210> 38957
<211> 217
<212> DNA
<213> Glycine max

<223> Clone ID: 700943733H1

<400> 38957

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tcgaagagag caacgttcaa agggtcgacg ctctgtcac catatgtggt gatattcacg 120
 gtcagtttta tgacatgaag gagcttttca aagtaggagg ggattgcccc aaaactaact 180
 atttattcct gggggatttt gttgatagag ggttttactc ggttgaaacg tttctgcttc 240
 tgc 243

<210> 38961
 <211> 240
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943737H1
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 cattgattca tccattgaca caggattctt gctaattggg actttcccc ttctttttcg 180
 atgatatttt cttttcaaag gcgggggagg acggggagga gattcagata tttctcaaga 240

<210> 38962
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943738H1
 <400> 38962

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 cttccattcg ccatggccgt ggatcttccc tcgcatctct tctcgcgccg aaacctgcac 180
 ttccattcaa cgccgtctct tgacctcgcc gtttacctca aaacgacggg catgttagag 240
 g 241

<210> 38963
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943739H1

<400> 38963

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 aacgaataat atcgtcgagg ccatggagtt gttgatgaaa gaagctgcaa aattgcggtga 120
 atatgagaac aaggcccatc aaaatgggcc aggccagttt gggagcaggc cgcgccacc 180
 accagcaagc acatgtgaca ggaccatgaa tccggtgcga caacgcttca atttcggtg 239

<210> 38964

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700943740H1

<400> 38964

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 ttatcttccc aaaccactg gggtggccta gtggtgggaa acttgggata gaatacatga 180
 gatcataggt tccaaggcgt acacccaaaa aaaaatgtta tcttcccaca ttccttt 237

<210> 38965

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700943741H1

<400> 38965

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 gggagaagc tgtgttatgt ccaatttcca caaagatttg atggtattga tcgccacgat 180
 agatatgcta accgaaacac agtgttcttt gatatcaata tgaaagggct tgatggg 237

<210> 38966

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700943742H1

<400> 38969
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ccatactcta taatagagtg tgagcctaag cgtgaagtca ttttaccatc tgtaatctac 120
atacaaaaga ttttgcggcg aaggccattht ctcataaga accttgaaaa tgttatgcgg 180
aaattccttc agtccttgga actttccgag gaaaatgaga ggaaaaagtt ggcaa 235

<210> 38970
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700943747H1

<400> 38970
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gccctcactt tctagattht ctgtcaagcg tccgtacttc ctttcccaaa cttatccgcg 180
cattgctgtg aacaagccct ccatgaacct gttgaacaga ctcggggttg gcagcgca 238

<210> 38971
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700943748H1

<400> 38971
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ggaggcaagg gtttgggtaa gggaggagcc aagaggcaca ggaaggtgct ccgcgataac 120
atccagggaa tcacaaaacc cgccattcgc cgtttggctc gcagaggcgg cgtcaagaga 180
atcagtggcc tcatctatga agaaaccgc ggcgtcctta agatcttcct cgagaacgt 239

<210> 38972
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700943749H1

<400> 38972

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 caaacttaag gctgagcgtg aaagaggaat caccattgat attgctttgt ggaagtttga 180
 aacaacaaag tattattgca cagttattga tgcgcctgga catagggatt tcattaa 237

<210> 38973
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943721H1

<400> 38973
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 atctctgtgc aaaaccagat atctaaggaa gcaactcttg cagatacgga caatggacat 180
 tcaagtaatg caacattgat tgatcacaga gtttcatttg aattaaccgg ggaagatgtt 240
 g 241

<210> 38974
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943689H1

<400> 38974
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 gaatgtgacg ctgatattct ctcttgcaag atatgaagct gtaatagatg cttacttgga 180
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 tgtcagtaga gtggacactc tcatt 265

<210> 38975
 <211> 264

<212> DNA
 <213> Glycine max

<223> Clone ID: 700943691H1

<400> 38975

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 ttgccactca aatacttctg gaatgaatca tcaaagtctt catcaactta tgggcgttga 120
 tcttggaact aacctgttt gccatttctt tggaagcaag gccattttat ggggtacccaa 180
 tttatctgtg gacactgcct atcagaccaa cattgttgct taattagtcc atgcatcttg 240
 agcaccatga gaatgagatt gtgt 264

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 <211> 262
 <212> DNA
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<223> Clone ID: 700943693H1

<400> 38976

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 tatagtgtctt ggaataaaac aagtgaagat attcagtcaa ggtgctctgc agatgggtgat 180
 cctgcacatt ttgattatgg aattttcggg caagtcttgc cttctggcat catttcatct 240
 aagaagttca tctccaaata ct 262

<210> 38977
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<223> Clone ID: 700943694H1

<400> 38977

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 tattaacgag agacctatta ttctttctct ttccaaccct acgtcacagt cagaatgcac 180
 tgctgaagaa gcttacaagt ggagccaggg acgtgccatt tttgcaagtg ggagcccatt 240

tcctcccgtt gagtatgagg gga

263

<210> 38978

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700943695H1

<400> 38978

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accctaaggt cttcttcgac atgaccatcg gcggtcaacc tgccggccgc atcgtgatgg 120

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agaagggcgc cgggcggagc ggcaagcccc tccactacaa aggctcgtcc ttccaccgcg 240

tgatcccgaa cttcatgtgc ca 262

<210> 38979

<211> 260

<212> DNA

<213> Glycine max

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tggatctggt tcaccatatg cttatggtgt attggacagc gggtagcgat atgacctgtc 180

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ggccagtggg ggagttgcta 260

<210> 38980

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700943701H1

<400> 38980

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tagccgaagt ggtaggttta ggtccaagat ggtgaagctt gtttctaaga aatttcgtgg 180
gtctaagaca gagttaaagg gtgaggtgaa taaacactat gaggggtga 228

<210> 38981
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700943702H1

<400> 38981

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aggctgatga gaagaagaac acagaagaag ttgttgagac tccaacacca acaccagaaa 180
atgtcgtcac tgagcaaaca agggaggaaa gtactgaggc cccacaatga agattcaaaa 240
aaaacacccg ggg 253

<210> 38982
<211> 114
<212> DNA
<213> Glycine max

<223> Clone ID: 700943703H1

<400> 38982

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ggctcagaaa catctccatg actgtgtgtt cagagttgtg atgcttcact gttg 114

<210> 38983
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700943705H1

<400> 38983

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gagggaaacaa aagaaaatgc cgatcctgct gagattaaga caccagaagc tgcagaagat 120

gttaatatatta aggaagagaa agaagctgag gctgaggctg aagctaagga ggaagaggcc 180
 ccggcagaga aaaaggagga gaaggttgag acagaagggt cagctgaaaa gaaagaggag 240
 gaagtg 246

<210> 38984
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943706H1

<400> 38984

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 cacccttaga ataaagtggc catttcttgc ccttgagcaa gttcaagtgt tttggacttg 180
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 ttggtgta 246

<210> 38985
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943707H1

<400> 38985

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 cactggcat ttgatctaca agcttggagg tattgacaag cgtgtgattg agaggttcga 120
 gaaggaggct gctgagatga acaagaggtc attcaagtat gcctgggtgc ttgacaagct 180
 caaggctgag cgcgaaagag gaattaccat tgatattgct ttgtggaagt ttgaaaccac 240
 caa 243

<210> 38986
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943708H1

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 atctgtttgc ccaaaagaaa aacgaacata ttcttggtga gtggctcttg atagctgata 120
 aaggtgactt ttctggtaaa aatctctccc agatgtcaaa tgttgccaac tcgacaaaata 180
 ttatgtggca tgactgtcca attcagaaac aagatagaca gcagctgctt cagcaaaaag 240
 gct 243

<210> 38987
 <211> 242
 <212> DNA
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<223> Clone ID: 700943709H1

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 ccagctccaa ggggcacccc tcaaattgaa gtgaccttcg aagttgatgc caacggcatt 180
 ctaaattgtga aggcagaaga caaggggaact ggtaaatacag aaaagatcac cattacaaac 240
 ga 242

<210> 38988
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943710H1

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 agaaagtggg gttattttgct ccaactgtctt gtttcacatt tttagggttt tagtatatat 180
 ggatgatatt tccaagcctg tgttcatcat caccatgggtt attcagctat tcatgattt 239

<210> 38989
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<212> DNA
 <213> Glycine max

<223> Clone ID: 700943711H1

<400> 38989

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 ccgggatgct tggaactctg ctttctctga ttgatgtttt gcctttgttc tcgaacactg 180
 gttgggggtca gaaagccaac ctggattttc tgaagaaaca catgggagct acatttga 238

<210> 38990
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943712H1

<400> 38990

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 ttcactcact ctcatcatt catttccacc gttcatggat cccgtaagcg tgtggggtaa 120
 cagcccttg gcgacggtgg atcccgagat ccatgacctc atcgagaagg agaagcgccg 180
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<210> 38991
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943713H1

<400> 38991

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 cgagggtttg ggtttctctt cctccctgga agaaaaagaa gagtcaccgc tacgacgccg 120
 ttctgtcttt ttgaggtgc cacagtcatt tttggcggtg gtggaccaag gaggagtgc 180
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<210> 38992
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<212> DNA
 <213> Glycine max

<223> Clone ID: 700943714H1

<400> 38992

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 atagatccga cggggaagta cgtcggaaac tcagatctgc aactcgagcg cgtgaacgtc 180
 tactacaatg 190

<210> 38993
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943715H1

<400> 38993

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 aaaaggaag atttggggaa aatacgataa ttggtaacat tgacacaggt gtttggcctg 180
 aatcccaaag cttcagtgat aaaggatacg gtaccgtccc atcaaaatgg cgcggaggcc 240
 tttgtc 246

<210> 38994
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943716H1

<400> 38994

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 aactagtgtt gttagaacac ccaattacag gactcttttg ttgatcatta tccttaagaa 180
 aatgattttt ttggcttgta acatttaatt gttactaatt cattaaatat catgatttaa 240
 aataac 246

<210> 38995
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943717H1

<400> 38995

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 ctttttgatc tgcgaaaatg agagagtgc tctcgatcca cattgggtcag gctgggtatcc 120
 aggtcggaaa tgcttgctgg gagctctact gcctcgagca cggcatcggg cccgatgggc 180
 aaatgccaaag tgacaagaca gttggcggtg gtgatgatgc tttcaatact ttcttcagcg 240
 agactgggtgc tgg 253

<210> 38996
 <211> 205
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943718H1

<400> 38996

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 aggcttgtca atgttatgct accagggtttt agaagggatc aattgaaggt tcaagtgact 180
 tcaaagttca ccctaaggct aatgg 205

<210> 38997
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943719H1

<400> 38997

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 acaaggaccc ggtggcgatg ctggagatga gggagcacat cgtgagagag aagtggatcc 180

aaatcgagaa ggccaagatc attagggaga agctccgctg gtgctaccgc atcgaaggcg 240

tcaacca 247

<210> 38998
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700943687H1

<400> 38998

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caaagaatca gccctcgctt ttccaagtcc caacccttaa gatgaaggta agattccttg 120

ctttgttcct actcatttca ggcattcaag ccatatcaac ctcagaagggt aaaggcctaa 180

tccagagcaa tggacaagca caagaacttc ttgggaagtt atatggaagc atagaagagt 240

caataagggt gaacgacaaa gttgagg 267

<210> 38999
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700943720H1

<400> 38999

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aagaagtgga atgcggtttc cctctgggct tgggatattg tcgtggataa ttgcgctatt 180

tgtcggaccc atatcatgga tctctgtatt gagtgccagg ccagccaggc taacgccac 239

<210> 39000
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700943655H1

<400> 39000

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 tgaaatgcag cagcaggccc ttggtatata taaccagcat ttgagcaaaa gttagaacag 180
 gaagcttttt ggtaacatta actaagcaca aagcattatc attactacta taagcttata 240
 gttgaaatct ttgagcatag aaaaaagatg 270

<210> 39001
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943656H1

<400> 39001
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 atgaggaaca ttcagagcca agttagtggg aaaattgtca ttgttgaaga gagaagagag 180
 taatagaggc atcctatatac tttctcttct aggagagaat tatgagtaaa gtgtggtttg 240
 tttgattccc aggaaagcat gtaagcaggt c 271

<210> 39002
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943657H1

<400> 39002
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 ttattggagc atttataccg gcaactatga ttgccgtgct ttactacttt gatcatagtg 180
 ttgcatcaca acttgcccag cagaaggagt tcaatctaag aaaaccctca tcttatcatt 240
 atgaccttct tctcttgggc ttcttg 266

<210> 39003
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943658H1

<400> 39003

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 gttaagggga atttgaggt taagcatccc tgcttgcaaa tcgggtacaa ggagaggtat 120
 tcgtgctcac attgttcttc tgctgtgaag aaaggagggg agagtctgat ggttgagggg 180
 aatgggaatg tgggtgggaa gaaggagggg ggatcaagga ctgtggtgac gcttggtggc 240
 gcccacaaatt ggttgaagt tagcac 266

<210> 39004

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700943659H1

<400> 39004

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 ttgccccact tctcctccac attttcaaga agaccttctt catcgccggc aacacttggt 120
 ggaggaaatt ttgcagcttt cagcagattc cttttcagtg gcatcttctg atagtaacac 180
 aagctgtagt gaagttgatt gcagtgaatt tgagtcatca gtgcctaaag ttgataattt 240
 cccgtgcaaa tattatatga atggaa 266

<210> 39005

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700943661H1

<400> 39005

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 agatcttgca tttgccgtgg cacgattttt ccagcgagga ggaacatttc aaaattacta 120
 tatgtaccat ggagggacca actttgaccg aacttctggt ggacctttca ttgctacaag 180
 ttatgattat gatgcaccaa ttgatgagta tggaattatt agacagccta agtggggcca 240
 cgtcatagaa gttcataagg ccataaa 267

<210> 39006
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700943662H1

<400> 39006

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cagagatggc tccctctgtt ctatgttcct tctctggtgg tcttgcgctt tgccgtcaaa 120
gatattcccc ctgcctccgg agccaaaatt ggcctcattt tagttggagg atggctggct 180
acattttgtg ttgctgggta cgcggctatc gcagttagaa aagctgtgaa aacgggattg 240
gtagaagctg aggctatggg aaagcct 267

<210> 39007
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700943664H1

<400> 39007

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tctgcacgat ccagcgctcg cgctgtatca tttgtcactt atacagagta acagattgac 120
attggttaaa ctcagggtg tccccacgct cctctcgatg gtgcccgccta ggaatatggc 180
ctgcccgttg atgctgatgc tctgcaacct cgccgagtgc ttcgtcgcgc gcacttcgat 240
gctggacg 248

<210> 39008
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700943666H1

<400> 39008

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atgcttggtt tcgatgcagc tcagtttgac gggatcctta aaaagatttc tgagttcaat 120

<210> 39017
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943678H1

<400> 39017

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 cccgatttca atgggtactg tttctagcgt tattgcggaa ggatatgga gacctgccc 180
 atcaacaaaa tgggcctttt gcttcagaaa aaccactaag gttggatgca aaatcactac 240

<210> 39018
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943679H1

<400> 39018

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 aactatgctg aatacagtgg tgcacccaaa gaagaggagg tcttgagta cgccagagtt 120
 gtaattgatt gtgcaactgc aaacctgat gaccagaaga gagctcttgt gataggagga 180
 ggcatagcca actttactga tggtgctgcc acatttagtg gtataattcg ggcatagaag 240
 gagaaggagt caaaattgaa ag 262

<210> 39019
 <211> 83
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943680H1

<400> 39019

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 gataattgtc cattgggtgg aag 83

<210> 39020
 <211> 261

<212> DNA
 <213> Glycine max

<223> Clone ID: 700943681H1

<400> 39020

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 aacgtctcat tttcgccgga aagcaacttg aggacgggcyg tacccttgct gagtacaaca 180
 ttcagaagga gtgtactctt cacatcgtaa tccgtctccg aggtggcatg caggtcatcg 240
 gtaagacact caacggcaag a 261

<210> 39021
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943682H1

<400> 39021

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 ttttcttcac tctccgagag cattttgtgc actactgggt tgaaaatgta tttggtggag 120
 agcaaaggag gtgccataac atgcatgttc ttggctcttt tcttcttggg gacatggcct 180
 gctcttttga ctatgttaga aaggcgtgggt cgtcttcttc agcataccta ccttgattac 240
 tcaatcacca atttcttgtc tgcttta 267

<210> 39022
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943684H1

<400> 39022

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 gttggtgggtg gtggtggttg ttgatgccag gtttgtgggt gagaagagca gtataactgt 180
 tctgtccccg cataagctga aggcgaacgc gatggcgcca tcggttaactt cggcttccg 240

gactacggag gattcatcgt tggct

265

<210> 39023

<211> 270

<212> DNA

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<223> Clone ID: 700943685H1

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cggcggccac ctcacccacg gctactacac ctccggcgga aagaagatct ccgccacctc 120

catttacttc gagagtctcc cttacaaggt aaactccacc accgggtaca tcgactacga 180

ccgcttgga gaaaaagccc tagacttcag gccaaaactc ataatctgcg gtggcagcgc 240

gtaccctcgc gattgggact acaaacgttt 270

<210> 39024

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700943654H1

<400> 39024

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tgccgagggc ggtgctcatg gatctagagc cagggaccat ggacagcgtc agatctggtc 120

cctacggtca gattttccga cctgataact tcgtcttcgg ccagtccggc gccggaaaca 180

actgggcaa aggtcactac accgaaggcg ctgagttgat tgactctgtt ctcgatgttg 240

tcaggaagga ggcagaaaac tgtgactgc 269

<210> 39025

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700943620H1

<400> 39025

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caacattaac atctccgatt cgtataagaa gaatcgatt caggtctcta acaccaagaa 120
 gccctcttc ttctacgtta atctcgcaa gagatatatg caacagcatg atgaggtcga 180
 gctctcagct ctaggaatgg ctattgccac agtagtaact gttgctgaaa ttttgaaaaa 240
 caacggactt gctggtgaaa agaaaatcac gac 273

<210> 39026
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943621H1

<400> 39026

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 tacatgttca tctccaacca tagatgaaca acttacatgt gatgaccaca gtttgatccg 120
 cggttaatcc cactaataac ctgaaattca aaaccacgtc atcatccata aatcttcatt 180
 cttttctcac gagaacaatc aatcacccgc ataatttcca gtggcacgaa ataaacacta 240
 accagcatag gcttagacca cgaaaacaac gtcaca 276

<210> 39027
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943625H1

<400> 39027

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 tttaatacct aactgttggc acttcgaatt tttagcagaa gatgacttgt tagatttatt 180
 aattggaaaa tgagttacac atattatgtg tagaatctag atcatgtaga acaagttgca 240
 gtggtcttgt ttaatgacac ggagagcagt a 271

<210> 39028
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943628H1

<400> 39028

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catccataca accaaaatag aactgcagat ggagtgccaa ttcttgcaga ggaagaccct 120
ctagaggatg aaggatccaa ctatccacaa ggccttggtc tggtcctcgc ggggtacagat 180
gatgatagtg ttgttgtagg gtcacacatt aggggtagca gattgcgagc ttcggctgct 240
ggggatgagg aggtggatct acttctaccc g 271

<210> 39029

<211> 117

<212> DNA

<213> Glycine max

<223> Clone ID: 700943629H1

<400> 39029

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gaggagagca caacaagggg gggggccccc aggttgccgc gccgccggcg ggtttta 117

<210> 39030

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: 700943630H1

<400> 39030

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gagagcaaaa catagtattg tcatttacat ctttttgtga gtatcaacaa atggcaacca 120
ctgtgatgac cactgctccc ccaattcagt ggtgcttaga cccaattct cagctggccc 180
tgtgaagaac ttggttgctg tgcaacccat gagtcgcaag gggaagggtg cattgggagc 240
tcgatgtgac tacattggtt catccactaa tctgagtatg gtgg 284

<210> 39031

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700943631H1

<400> 39031

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catccaaacc cgaatggctc aatacgaga agagctttgg gaattactga agaaggataa 120
cacttttgtg tacatgtgtg gactaaaagg aatggaaaag ggaattgatg acattatggt 180
gtcattggct gccaaagatg gcattgattg gactgagtac aagaggcaat tgaagaaagc 240
agagccatgg aatgt 255

<210> 39032

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700943633H1

<400> 39032

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atgatgataa agtggtttca caaatTTTga tgataagaat ggtgcagaag tttttaatga 120
tgaatatgaa gactccaaca taatctatcc tagttcttgg ctacagaacc tgctgaatg 180
gtcaaacaaa aagcttgaat catcggataa gaaagatgac tatgcatctg agagtaccat 240
tctgacaagg aatccgactg caaggcgt 268

<210> 39033

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700943634H1

<400> 39033

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ttgtgaaact ttggcttTca tcaacggtga tgatgggttg aaaatcaacg gtgctcttct 180
aatgtccctg atggaagagc catcaccaag tgatgagagt gatgatgatc gattggatag 240
cttgattagg tcctttgagg ctgaaattag t 271

<210> 39034
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943635H1

<400> 39034

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 cacttagcgg ctgcagcagc gatgggaaga gcacgccaca ttgctagaag agaaggccag 180
 agaaacaggt catcagctca aggtcgccca cattttttgg ttttttcaac taatcctaata 240
 tcacctccca tggctcctgc ttcttctct c 271

<210> 39035
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943636H1

<400> 39035

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 caatgggtcc agtagcagca gcattctcag attcaatcaa gccaaagagat gtttgcatg 180
 ttggtgttg acgtacacca atgggtggat ttcttggtac cctgtcatct ctatctgcc 240
 ccaagctagg ctctatagct attggagct 269

<210> 39036
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943638H1

<400> 39036

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cttctccaga gtgatgctct ttaccagtat attctggaga caagtgtcta cccaagagaa 180
 cctgaatcca tgaaagaact gagagagttg acagcaaaac acccatggaa catcatgaca 240
 acctctgcag acgaaggga gttcttgaac atg 273

<210> 39037
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943640H1

<400> 39037

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 ccaccctgct catcttcaac cactgagtcc aacttccaac aaacaagtat ctgtgggttg 180
 ggatgcctat gaggcaatca aggatgcaca tggcatctgc gttatgactg actgggatga 240
 gttcaagtac cttgattacc aggaggttt 269

<210> 39038
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943641H1

<400> 39038

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 tgtggaggcc ttaaaagacc aaggtatatg taggtggaat catgctttaa gatcagctca 180
 acaccatctc aaaaaccatg ttggttcatt ctctcaggct aacaagcttt cttcttctgc 240
 tatgagctcc acaacactaa aacatgggaa g 271

<210> 39039
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943642H1

<400> 39039

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 catcgtctcc gaaaatgaac gacgcagatg tctcgaagca aatccagcag atgggtgcggt 120
 tcatccgcca ggaagctgag gaaaaggcca acgagatctc tgtctccgcc gaagaggaat 180
 tcaatatcga gaagctgcag ttggtcgaag ccgacaagaa gaagatcagg caagaatacg 240
 aacgcaaaga gcgccaagtt gaaattcgca 270

<210> 39040

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700943643H1

<400> 39040

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 gcaaagatcg aaccaagcta ttatttgaca ttgtatgcaa tttgacagac atggaatatg 120
 ttgtattcca tgcaactatt aacactgatg gtgaccgagc ttacttggaa ttttatataa 180
 gacacaagga tgggactcca attagttcag aaccagaacg tcaacgtgta attcaatgct 240
 taaaagctgc tgtagagaga agggca 266

<210> 39041

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700943644H1

<400> 39041

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 taaccaaacc gacaccgtgg gatctgttcc gcgtctcaga ttttgctgca atgggcaaga 120
 aaaagttaga ttcaaagtcc gatcgcaaat tcgaaaagaa ggtccaattt tattccaagg 180
 tgaaagatgc tgttacctcc ttgagtcccc aaaagtctat tactaagaaa aagaaaaaga 240
 gcaaacaaca aaggcggcag aagaaattga a 271

<210> 39042
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700943645H1

<400> 39042

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atggcccgtg caaagcaaac tgctcgtaag tcaactggag gaaaagctcc caggaagcag 120
cttgcaacca aggctgcacg taagtctgca ccaacaactg gtggtgtgaa gāagcctcat 180
cgttatcgcc ctggaactgt tgctcttcgt gagattagga aataccagaa gagcactgag 240
ctcctaataca ggaagcttcc tttccagag 269

<210> 39043
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700943646H1

<400> 39043

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acagcatcta gctagttaat tcacaaactt gagttggatt ttggtgatct tgtgaattga 120
tctgcgatgt cggacgaggt agttctgttg gatacatggg ctagcatgta tggatatgagg 180
gctaggattg cattggctga aaaggggtgtt aggtatgaat acaaggaaga gaatctcatg 240
aacaggagtc ctttgctttt gcagat 266

<210> 39044
<211> 114
<212> DNA
<213> Glycine max

<223> Clone ID: 700943647H1

<400> 39044

ctgatgatga cacaacccat tggtttagat cattaattgg cactagattg ataattcttc 60
agggaacgag gcggaagaaa atagagcaag ccagagaaaa gcgacggcgg ggag 114

<210> 39045
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943648H1

<400> 39045

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 gacgccgcgg tctcaggatc agtcgtcggc gagtagtggg cactcgtcac cgtcgtcgtc 120
 gtcacgcggc gcagcttttc aggctatgtc tgcagcgaag ttcggcagcg gcggggatag 180
 tatcatcagc gttgcttgaa aagacggaaa caagacaaaa attagtgtca ttaagttatt 240
 aattaagtat ggtcttagta gttaattt 268

<210> 39046
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943649H1

<400> 39046

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 gtggatttag tgtgttgaaa ggccagaaac taaccacggc gaatgcaaaa caagattggt 120
 ttgcttgact gacttggcag tacaggacat cagaacagac tggggactat cagttgataa 180
 tgggtgaatat gtgcttcctt tcaagatgta taatcagagc cacatcaatg aggttagtta 240
 caacttacia gcaccttgga gttgggggta 270

<210> 39047
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943652H1

<400> 39047

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 gccgaaaacg ccgacgggga tgatgaagat gtgggtgttc acgttgctcc tgcttcctct 120
 tcctcatcct cttagtggcg ctcttcccct cgtcgctctc cgagatccgc ttctccgaga 180

tccgaaacga cgatcgccgc atcatcccct tcatcagtt tggagtcacc cacaagggtc 240
gccttgagct cagcgtttcc aaaatctcac tc 272

<210> 39048
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700943653H1

<400> 39048

aagaaatggc atttgcatcc gagggaaaag gaaaatgaga gagttctttc aagcatcagg 60
ccttccacga caacaaagag acaacaatga tgagcatgat gctcctttct tgctttgaaa 120
atttcttttt taactctttc ttaattgaaa ttctcagatt cttttgctct tcaatccata 180
ttgtaagtat gagtatttgt agatcatata ccaatactct atgttaaaac aacacctttt 240
tttctttttt ggg 253

<210> 39049
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700943617H1

<400> 39049

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cgctttctct catccatcat gaaaggagga aagtccaaga ccgaatctaa gagagccgat 120
gccaaatgag ctgtgaataa gaagggcgcc gccaccaaga ctaggaaacc cgccggaaag 180
gggaaggcag cgaaagatcc taacaagcca aagaggcctc caagtgtttt cttcgttttc 240
atggaggaat tcaggaagggt gttcaacaag ga 272

<210> 39050
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700943578H1

<400> 39050

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 ttatcttcaa aatgagagaa atccttcattg ttcaagctgg tcaatgtgga aaccaaattg 120
 gaggcaagtt ttgggaggtg atgtgtgatg aacatgggat tgatgccact gggaattacg 180
 taggtaactt tcatcttcaa cttgagaggg ttaacgtgta ctacaatgaa gcaagtgggg 240
 gacggtatgt tcctcgag 258

<210> 39051
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943580H1

<400> 39051

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 aaagagagga ctatatctgg agattcatac tatggctctc acgtgatgca gtatgggtgat 180
 gtagggctta gcagagatgt tctcttccat tatttgggta cagatcctgc taatgataat 240
 ttcacttttg tggatgaaaa 260

<210> 39052
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943581H1

<400> 39052

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 gcttctggca attgggtgat gaactccgtg ggcactcaaa agcatcggag gatcacaagt 120
 ggtaaatggt tgcctcgaac ctggccgaac agacaagatt gaagggggag cgtgtgaaca 180
 acctgatcg gcaaaggac ccattgaaac aagggtccagg gccaagggtt ggctccatga 240
 agagaacgga gttgattctc tt 262

<210> 39053
 <211> 261

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700943582H1
 <400> 39053
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 actactccgc aacaacaaac cgatggcgat gatgattccc tcacctacct ctggcccctc 120
 cccgcagagt tcacttccgg cggcgacact ctctccgttg accccgcgct caccctctcc 180
 gtcgccggaa acggcggtgg ctccgccatt ctacagagagg ccttcggccg atacagaggg 240
 atcgtgttca agaacaccgc t 261

<210> 39054
 <211> 83
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943584H1
 <400> 39054
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 acaaaaattt gtctagttat tat 83

<210> 39055
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943585H1
 <400> 39055
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 ttggttagcg cgccatacaa gctggagttc cagcgcgaca aggagttggt ttccgtgtgc 120
 gacaggaagc tctccaaaca ggacgtggct cggttcagat ccgcggtgag gaaggactac 180
 tacttccaga tgtactacga cgaccttctt atttggggct tcatagggaa ggttgacaag 240
 gaagggaagg ac 252

<210> 39056
 <211> 121

<212> DNA
 <213> Glycine max

<223> Clone ID: 700943586H1

<400> 39056

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 ctgcatgctt ggattctctt gcagagcttc ctgcactgtc aaacttgaag tcgaatagat 120
 g 121

<210> 39057
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943587H1

<400> 39057

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 tggagatgaa gtttccagag tggttggtgg tggtcttgta ccaggctcat tgactttaat 180
 tggtggtgat cctggtggtg ggaagagtac tttgttggtg cagatagctg caattattgc 240
 aaaaggtgac a 251

<210> 39058
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943588H1

<400> 39058

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 ctcttcacaa atgaaaatac tttgctctct tcttccaact ctctcatact ttacttttct 120
 tttgttcatg caagatccaa agaacgattc aaacacaagg aagccatggt accaaagagc 180
 aattgaggtg actagcctat ggaaaagtgt atcaaaatcc acagaaattc caacacctaa 240
 ttcttcaact ttatg 255

<210> 39059
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943589H1

<400> 39059

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 ccgccgacaa ggcacccttg ctgatgtca ccagttcgg ttactttaag gttttgggta 120
 aaggggtttt gcctcagaac cagcctcttg tcgtcaaggc caagcttatt tccaagatcg 180
 ctgagaagaa gatcaaggag gccgggtggag ccgtcgttct caccgcttga ttttttaggg 240
 tatttttatt ttt 253

<210> 39060
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943591H1

<400> 39060

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 ggattggatt ggattgccct gaccttgaga ctcttagcat caaagaccaa accctaacaa 120
 ctgaaagtgt ggagaagatc attggctggg ctataagtta ccattttatg cattcatcta 180
 aagcttctat caaagattcc aagcttgtga tatctgcaga aagccttaat tatggaatta 240
 acattctaca gggc 254

<210> 39061
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943593H1

<400> 39061

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 tcatagcaact cttctcttcc tcacttatgc gaaactcaaa catggttctc gttctccttt 120
 tccttatggc aatcttctcc gccatgacca ctccgtcaac ctccgcgatc gacaccttca 180

gatctgctca acacttttatt tatattgaaa accaatactt cattggatca tcgtatgcat 60
 ggccagctta taaagatgca ggggctgata atctcatccc aatggaattg gcactgaaaa 120
 ttgctagtaa aattagagct aaggagagat ttgctgtcta cattgtttta ccaatgtggc 180
 cagaaggtga tcctaaaact ggggctatgc aagaaatcct cttttggcag ggccaaacga 240
 tgcaaagat gtatgatgca gttgctagag aa 272

<210> 39065
 <211> 119
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943604H1

<400> 39065

ccagattaca atttcacttg gatttggtta ccttaaaaaa gaaggagaaa agaagacaga 60
 aaagaaaaag aagaaaaaga aaaaaaaacg gcaagggccc aacggccgca aaccgaccg 119

<210> 39066
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943605H1

<400> 39066

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 ccttattatc ttaatatgtt actattcctt accattctca tctccatcat caacccttca 120
 caccaagacc cttcttcccc tctcccccca ataaacccaa gactcaccaa agcctacaca 180
 gcactccaag catggaaaca caagatcacc tcagacccca aaaacttcac cttaaactgg 240
 tgtggcccca atgtttgcaa ctacactggc atatactg 278

<210> 39067
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943607H1

<400> 39067

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 tcaaagagga ggaaagattg ggttgtttgg tgggtgctggt gtaggaaaaa ctgtgcttat 120
 tatggaactt attaacaatg ttgcaaaagc tcatgggtgg tttctctgtgt ttcttggtgt 180
 tggagaacga acccgagagg gtaatgactt gtacagagaa atgattgaga gtggtgtcat 240
 taagcttgat gataagcaga gtgaaagcaa gtgtg 275

<210> 39068
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943608H1

<400> 39068

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 tctagcactg cttcttctgg ctttactgg cacttcaagt gctacatggg gcgtttgcaa 120
 ggatggaagc gacgcgatcc tgcagaaaac cttggactat gcttgtggag ctggtgctga 180
 ctgtaatcct ctccaccaa aacgggccttg tttccagccc aacaccgtta gggcccactg 240
 taactacgcc gtgaacagct acttccaaag gaa 273

<210> 39069
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943609H1

<400> 39069

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 tcggcaccgg cttagacttc ttaggcagtg cactcgatag agttactttt ttagcctcct 180
 ccatctccat ccaacttatt agtgctacca aggctgatgg tgggaaagga aaagttggaa 240
 aggctacaaa tttgagagga aagataacat tacca 275

<210> 39070
 <211> 268

<212> DNA
<213> Glycine max

<223> Clone ID: 700943612H1

<400> 39070

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agctttgatt ttggtgccga gttctgagct gtggtggtgc tgaccccgaa aagttctcca 120
agtccatcat gagataaggc tgatatattg gagctggtgt caattagtag acaaatttgg 180
ttgctgactt tcgtattcgt gtgtcttcaa tagatggtat gtttaaataag aaagcatagt 240
tgacaatttc ttgaatgtgg ttgtttct 268

<210> 39071
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 700943613H1

<400> 39071

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acaagcgtat gtggatgac aactactgag tgaaatcgaa ggtaaccacc tcaactcacgc 120
cgctatcatc ggccaagacg gaagcgtttg ggctcacagc tccaacttcc ctcagttcaa 180
acctgacgaa ataactgcca tcaataatga ctttaatgag cctggatcac ttgctccaac 240
tggattgtat atcgggtggca ccatatacat ggt 273

<210> 39072
<211> 229
<212> DNA
<213> Glycine max

<223> Clone ID: 700943614H1

<400> 39072

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tattgtggga accggcacat ggaacgttat agtgcttgga ataaaacaag tgaagatatt 120
cagtcaaggt gctctgcaga tggatgcct gcacattttg attatggaat tttcgggcaa 180
gtcttgtctt ctggcatcat ttcattcaag aagttcatct ccagatact 229

<210> 39073
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943615H1

<400> 39073

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 ctccacgcgc gcctggcgga ggagattcgc tccgccgtga gatgcgccgg cggggagatc 120
 accatggcgg cgatggagaa catgccgctg atgaagtcgg tgggtgtacga ggcgttcgcg 180
 atcgaccgcg cggtgccgtt gcagttcggg agggcgaaga gggacttgat catcgagagc 240
 cacgaccacg catttcaggt gaa 263

<210> 39074
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943616H1

<400> 39074

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 aacaggctga gaagcagatt gagatgtata gcaagcaagg attttcaggt cttccaatat 120
 gcatggctaa gactcagtat tctttctcag acaatgctgc agcaaacgga gtcceaagtg 180
 ggtttgtctt acccataagg gatgtaagag ctagtatagg cgctggaact attaatccag 240
 ttgttgatc ctgactcgag ccgctcgag 269

<210> 39075
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943576H1

<400> 39075

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 gggccactgc atcggcgagc tctccttcgg cgccgcctgt gcgcgcgtcc gcctccgccg 120

<400> 39078

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 aatcctcatg gaaagctggg actatttgaa agatgcagtc cttgaagggg gtattccatt 180
 taacaaagca tatggaatga cagcctttga taccatggaa cggatccaag ggttaacaag 240
 gttttcaaca aggggatggc tgat 264

<210> 39079

<211> 126

<212> DNA

<213> Glycine max

<223> Clone ID: 700943551H1

<400> 39079

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 aaagaaccag catcagcaga agaagaagaa gaagataagc gagttcgagt tctgcaaagc 120
 gtgcaa 126

<210> 39080

<211> 205

<212> DNA

<213> Glycine max

<223> Clone ID: 700943552H1

<400> 39080

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 tgaacccaaa aatgttgaaa tctttggtgt ctatgaaatc atagtgagct ggtttagtgg 120
 tgttgatcaa gcccctcact tgctcaccaa gacatcggat ctgttggtgtg ctaccttaaa 180
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<210> 39081

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700943553H1

<400> 39081

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 cagctgctga gaaagctagt cagattgacc cccgaaatgt tgaagttgct gttttgctca 120
 acaatgtgag gatggttgct agagctcgac tgcgtggtaa tgatcttttt aagtcagaaa 180
 ggttcactga ggctgctcg gcatacgggg aaggtttgag gctcgaccct tcaaactctg 240
 tcctctattg caatagag 258

<210> 39082

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700943554H1

<400> 39082

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 aatttctatt agtatccaaa ccttgattgc gttcttgat tttcttgagg gtaggggggt 120
 tctcctctct ttctctgcag tttgatggat cgggaaggag gatccaacgc cggatcttgc 180
 tactactccg ttctcgggat tcgtagggat gcctccttct ctgatattcg cactgcctac 240
 cgcaaactcg ctatga 256

<210> 39083

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700943555H1

<400> 39083

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 cctcaccggc aagaccatca cccttgagggt ggaaagctct gacaccatcg acaacgtcaa 120
 ggccaagatc caggacaagg aaggaatccc cccggaccag caacgtctca ttttcgccgg 180
 aaagcaactt gaggacggcc gtacccttgc tgactacaac attcagaagg agagtactct 240
 tcacctcgtc ctccgtc 257

<210> 39084
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943556H1

<400> 39084

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 agcaatgtct catagaatgc atgtagacaa cagtgtaaaa cttattggga agcttttatt 120
 tggatttgaa aaggggtccag aagtactcaa cgctgttaga ccggcaggat cggcacttgt 180
 tgatgattgg tactgcctta aaaccatggt gaggactttt gagacacatt gtggatcctt 240
 gtctcagtat ggcattg 256

<210> 39085
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943557H1

<400> 39085

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 gagagacttc tggttctggt gatgttacat ttgatttcta tgttccagac gaaaggtctt 120
 gattttgagt tgaaagttct tgaattttga tttctttgtc aaaagttagt gtctgaaatg 180
 cctaccagtg aaagctaatac tggatttctg tatatatattt taaattgaag cttacattag 240
 ggtgacacta gatatttg 257

<210> 39086
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943558H1

<400> 39086

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 atgtgctcca tttctcact ccatcaaaac catgtctaag tgttttggaa caggatattg 120
 ctaacatgaa ggactcttgg tttttcgaca ataactttaa tggctctgtca gatgagattt 180

gtgattttgt catcaacttt ttgattttcc cgatggaaga cgtgtctgct aatggtgtgg 240
aagaa 245

<210> 39087
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700943559H1

<400> 39087

caagaaattc agatctgctg cttactctaa ctgttctcgc aaaccatcct gatacacatc 60
cggattgata gttcgttgca tgcaaccata gttttattag gattttttct tctttgtttt 120
caattagggt tttttgttgc tctccttcaa actccatctt tccaaatcct ctctttgcga 180
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ttccgcaatt ggttttg 257

<210> 39088
<211> 127
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<213> Glycine max

<223> Clone ID: 700943560H1

<400> 39088

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aacctat 127

<210> 39089
<211> 259
<212> DNA
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<223> Clone ID: 700943561H1

<400> 39089

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gggatttgag ctttggatgc agattgaaga gggctaactg ttaaattccat aactcccatc 180
 aagggtttttg ctttgtgtgt ttgtggaaat agcataccct ttgagctgct ctgtctattt 240
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<210> 39090
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<223> Clone ID: 700943562H1

<400> 39090

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 gtcggaaatg cttgctggga gctctactgc ctgagcacg gcacgggcc cgatgggcaa 180
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<210> 39091
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943563H1

<400> 39091

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 acagaatctt gaaaaatgcc cttggaacat agatctaaat cactcgctac ttaatgaggt 180
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<210> 39092
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<223> Clone ID: 700943564H1

<400> 39092

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 ttgctcagtg agccagcacc tggaattagt gcgtcccctt cggaagacaa tatgcggtat 180
 ttcaatgtga tgatccttgg cgcaactcag tcgccttatg aagggggagt tttcaagttg 240
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<210> 39093

<211> 219

<212> DNA

<213> Glycine max

<223> Clone ID: 700943565H1

<400> 39093

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 tgtaaagtcc cacattcaaa atattcctga gaatattcgg catctgtctt ttgctgagta 180
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<210> 39094

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700943567H1

<400> 39094

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 gccaaacact ccatttccaa gttcattgcg agatcttcta aagcctggcc ctgcaagtgt 180
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 taaagaagac ctt 253

<210> 39095

<211> 256

<212> DNA
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 ccgaagcccc tcaagttctc cagaacaatc agagcagcag ccgccgacga gaccacagag 180
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 accccttccc cgatct 256

<210> 39096
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943570H1
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 aaacctactc tatgtccct cgcgaacctc actttcttct tcttcgtcga ttcgtttcta 120
 ttttctggat ttaactcggc ggaagttcta gggtattatt gttctttctc cgtgcgcgag 180
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 gagggaaaac gaatt 255

<210> 39097
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943571H1
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 ttttgccctc gccggaaagc gcaaggtcca catccccgac gagttggacg acgtgttcga 180
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0953113-032200

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256

<210> 39098
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<212> DNA
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<223> Clone ID: 700943572H1

<400> 39098

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tggtatagat ttgtgattta gataatgaat cacttaataa atttaaaagt aaattacata 180
atagtgttgt tatgttgga aacacaaaac aattctactt taattatgat tagaaagccc 240
aatcaatatt ctaa 254

<210> 39099
<211> 253
<212> DNA
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<223> Clone ID: 700943573H1

<400> 39099

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caatcaatcc atcttcaatt gctttgtttc gatcggagga aaatggccga tcagttatcg 180
aaggagagg aattcgagaa aaaggctgag aagaagctca gcggttgggg cttgtttggc 240
tccaagtatg aag 253

<210> 39100
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700943546H1

<400> 39100

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 cattgacaaa tccaagtgc tgtccgctgt tgaaaagtac gagaagtatc atgcttctta 180
 tggaggtcag gaggaggaga ggaaagctaa ttatgttgat atggttaata aattctatga 240
 tcttgctact agcttttatg a 261

<210> 39101
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943574H1
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 tcttgggttt tctttgggtg tttatgcttg gagaagggtga gcattaattt ggggtgggttt 180
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 attggcatgt gta 253

<210> 39102
 <211> 101
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943575H1
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<210> 39103
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 <213> Glycine max
 <223> Clone ID: 700943512H1
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tgagtcttaa ttccagtaaa tatttctctg gaccatatgg tgaagatgtc atttttgttg 120
 ccaatgattg gcacactgcc cttatcccct gctacttgaa aagtatgtac cagtcaaggg 180
 gcatctatac gaatgcccgg gttgtttttt gtatccacaa cattgcttac caaggaagat 240
 ttgcattcgc cgacttctca 260

<210> 39104
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943513H1

<400> 39104

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 ttgctatatt gtcccttcag tttggctact cagggatgta tatcatcact atggtttctt 180
 tcaagcatgg catgagtcac tggatactct cagtgtaccg tcatgtagtt gctgctatta 240
 aaatagtcac ttttgcac 258

<210> 39105
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943514H1

<400> 39105

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 tgcattgaga gtttcacttt aggtgatatt gacaaattca atgatattta tttttatagt 180
 tacatttttt tgaagggcag aaattgtagt gaaagcgata attctagtag tagtataatt 240
 actagtagcg atgatacaaa tgatagtgat tccactct 278

<210> 39106
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943515H1

<400> 39106

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gcgcgtccct gcaggagctt cataatctcc tctactcct tccgcaaccc taactccaac 180
acgttcgcca ccacaccga gatccgatcc ttcacccctc tctacatcac cgacaaaccc 240
ccctcctatg cccttttctt ccccccag 267

<210> 39107

<211> 86

<212> DNA

<213> Glycine max

<223> Clone ID: 700943516H1

<400> 39107

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aagaaaaaaaa agagaggggg ggaccg 86

<210> 39108

<211> 110

<212> DNA

<213> Glycine max

<223> Clone ID: 700943517H1

<400> 39108

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<210> 39109

<211> 85

<212> DNA

<213> Glycine max

<223> Clone ID: 700943520H1

<400> 39109

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85

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cgaagttggt	gggcattttc	aactgtggct	acaattgagg	gtctccatca	aataactaaa	180
ggtgaattag	tgtctctatc	agagcatgaa	ctagttgatt	gtgttaaagg	tgacagcgaa	240
ggatgctatg	gtggatatgt	g				261

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agaagcatga gttttgtgtt gatgctgttc ttaacgagaa tgttaccaat gatgaagtat      60
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ctgcagaaga ccttggttaga caattgcac gaccagtata tcgaaatcag agattttaat      240
tgtggcttag ttactttgag                                     260

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<223> Clone ID: 700943527H1

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 cgaagaactg gtgaatgaga acatcgacga cctcggcatg gaccccaccg aggccctcca 180
 agacgcaatc caaacctca ctctccaagg cgtcgatctc tcaggcatcg tcacgtgcgt 240
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<210> 39116

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700943529H1

<400> 39116

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 aataccaat cctcactcta ctttcccat ttatctgtca aacgcgcaca acaagaatca 180
 aaatccaagg gcgagcttta aaccatttca gggttttgtt cgttctggta cgagttttct 240
 tatttctgat catctgcctt a 261

<210> 39117

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700943530H1

<400> 39117

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 ttgttaatat aaaggcattg aaaacagtgt tggaagctta cctccctcaa ctgcactga 240
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<210> 39118
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943532H1

<400> 39118

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 aatggagcac ttctatataa gaaaggacaa gagtcaaagc ctgtgtcaat atcaccaaat 240
 ggggctaacc ttctcagga tcctaaca 268

<210> 39119
 <211> 134
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943533H1

<400> 39119

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 attggcactt cagc 134

<210> 39120
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 <212> DNA
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<223> Clone ID: 700943534H1

<400> 39120

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 tcagagctca ccagtgaac gaatgatgac tggaaacct aactggtggc acatcaatgt 180
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ttgtgct

247

<210> 39121
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<212> DNA
<213> Glycine max

<223> Clone ID: 700943535H1

<400> 39121

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tttatataag aacataggac tccatgttac ctctatatc acaacagtaa tgaaataact 120
ggtaacatgg agtcctatgt gtatatataa atactctccg gctatatatg aatctacact 180
ccatgttacc agtcatttca ttattgttgt gaatatagag gatgcttcat ttccattata 240
aatcttgtat tgcatttaaa gatag 265

<210> 39122
<211> 260
<212> DNA
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<223> Clone ID: 700943537H1

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ggctaatagc aaagggttgct ctggataaga ataagccaag gatacaaacc gttgtgaaca 180
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actctcttgt gactacagta 260

<210> 39123
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<212> DNA
<213> Glycine max

<223> Clone ID: 700943540H1

<400> 39123

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<210> 39124
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943541H1
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<210> 39125
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943542H1
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<210> 39126
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 <212> DNA
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 <223> Clone ID: 700943543H1
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gctgaaactc gtcacacac tattagactc actagcaactg atctctctct cctcctccgc 180
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ttgaatcatg tgagcaat 258

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<223> Clone ID: 700943544H1
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cctaaattgc atagacataa gttttaggct tactctataa tttaatgggc ctactctact 180
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<210> 39128
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<212> DNA
<213> Glycine max
<223> Clone ID: 700943510H1
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gattcacctc tgtctctctg ttttagcttg cagagtcaca gatagatagt gctttttctc 180
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attctagtta gaggacctca gt 262

<210> 39129
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<212> DNA
<213> Glycine max

<223> Clone ID: 700943545H1

<400> 39129

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<210> 39130

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700943472H1

<400> 39130

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 gagttcttcc tcaactgcagg caaattctgt ccagtttatg gatgaatatg tgcagacctc 180
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 atctgca 247

<210> 39131

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700943473H1

<400> 39131

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<210> 39132
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943474H1

<400> 39132

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 tagagggtata ccataatag ggaatcttca tcaactagat agtccttctc ttcattgagca 180
 gctatggcat ctctctaaga aatatgggtcc tttattttcc cttcaatttg gattaaggcc 240
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<210> 39133
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943477H1

<400> 39133

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<210> 39134
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<223> Clone ID: 700943478H1

<400> 39134

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 caagatgagc atccc 75

<210> 39135
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943479H1

<400> 39135

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 ctgcgttcca ttctggggcg tgtggagagc gagaaggaca cggaacggtt cgggctggtc 180
 tgcaagcgat ggctccggct gcagagcaca gaaaggaaga agctcgccgc acgtgcgggc 240
 cctcacatgc 250

<210> 39136
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943480H1

<400> 39136

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 atatcctacc tatattttctc tctcttttct ttctctttca ctaggtgtat actagcaata 120
 tttgggtgtc aaaatatctt tttccttttg caaattcctt gcttcttttg tactcactga 180
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 tttagcattt ga 252

<210> 39137
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943482H1

<400> 39137

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cttcgaaagc aaagcttgag agtctccaac atgcgccccaa agctgatggg tctctaagct 180
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 agatgggtg 249

<210> 39138
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943483H1
 <400> 39138

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 tccgtcttcg cggtggtatg caaatctttg tgaagactct tactgggaag accattactt 120
 tggaggtaga gagctctgac acaattgaca atgtgaaggc caagatccaa gacaaggagg 180
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 cgctggcag 249

<210> 39139
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943484H1
 <400> 39139

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 cagtgtggtc ctctgtattc ctgggcgcga tcttgatctt tttcctccgg tcgccggcgt 120
 cgtcgccggt tccggcggac ctctcccggc ggtctctgcg gacctacaac tggggcggac 180
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<210> 39140
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943486H1
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<210> 39141
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 <223> Clone ID: 700943487H1
 <400> 39141

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 acaacacttg gttgtttgtt accatcttcc aaaaatatca tgctcctaac gtaaaagtcc 180
 tcggtttcgt cgttcaactg cgatctctaa acaaaaccat ggcacactc tcaggcattt 240
 gctcctcttc c 251

<210> 39142
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943488H1
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 agccatggac agacgcacga acacctccag gccagtggca ttgtcttccc cttctatcac 120
 tgccaccacc accaccacca taacaatttt gaactctgag ccatcatcct cttcatccca 180
 gcaggaacaa cagcaaccag aagtcctctt cctcccactc aatcgcaaga agaagcaggt 240
 ttcttggaag ga 252

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 <223> Clone ID: 700943490H1

<400> 39143

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tctgtttgaa ggacttgcag gatgatttca tgggtggagc tgagattatc aaatctgacc 180
ctgttggtgc attcagggag actgttttgg agagatcatg ccgcaccgtg atgagcaaatt 240
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<210> 39144

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700943492H1

<400> 39144

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atggagcacg tcttgatga acatattgag aggaagaaag ggattaagga ttacgtggca 180
aaggacatgg ttgatgttct ttgcaactt gccgaggatc ctactcttga ggtcaagctc 240
gagaggcat 249

<210> 39145

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700943494H1

<400> 39145

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ttccgtctcc aagatctaga atgttttact atgctggaag tgaagaccac tatgaggagc 120
ctcacttcct ccaagcttgt tttctttgca gaaaaccact aggccaaaat cgtgacatct 180
tcatgtacag agggaacaca ccattttgta gcaaagagtg cagacaggag caaatagaga 240
ttgatgaggc a 251

<210> 39146
 <211> 146
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943495H1

<400> 39146

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 gctggagaat cctgtccaga actcacatca catgagctgt tctttgtttt gtttattttt 120
 cagaataaat ggtttactat tatttc 146

<210> 39147
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943501H1

<400> 39147

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 tgctgggtcg gtgttcaagt ctcacactca ccaccgcaag ggtccggcga ggttccgcag 120
 cctcgacttc ggcgagcgca acggctacct caagggcgctc gtcaccgaca tcatccacga 180
 ccccggtcgc ggcgcccctc tcgccaaggt ggcattccgc cacccttcc gctacaagaa 240
 gcaaacggag ctcttcgctg ccgccgaggg cctcta 276

<210> 39148
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943502H1

<400> 39148

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 tagtctattc agatggcatt tctcatgatt cgggtcatga agctggaagt ggtcatcaca 180
 atattacaga gtcgtatgaa caaatcaatg agactattga acatcatagt tcagaggata 240
 gtgcaaagga atatgagtg aaggaatg 268

<210> 39149
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943503H1

<400> 39149

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 ctacaagtgc ggcgagtggc tccagtcga caagatctgg tcggggcgga tccgcgtcgt 180
 gtcccggcgc gaccgctgcg agattcgct cgaggatccg agctccggtg agctcttcgc 240
 cgctgtcttc gtctacgccg gccagcg 267

<210> 39150
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943505H1

<400> 39150

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 catgtgcaa agccatttca gacgatgatt tgctaattgg acagtggctg atggatgaat 180
 taagacagat ggtgtcagtt tctggcgatc cgtttcagcg gttgggagca tacatgttgg 240
 aaggacttgt tgcgcgattg gct 263

<210> 39151
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943506H1

<400> 39151

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 attagccttt caatatgggg gttctgcggc acacaataag atattttctg agagaagagg 120

tcaatggaag gcagcagccc aatcccagga atttattoga acactacagc gttattacaa 180
 caacacatat ttagatggtg ataagcaaaa agcaattaac ttactcttgg ggcattttca 240
 gcccacaacag ggaaaaccag cac 263

<210> 39152
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943507H1

<400> 39152

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 aaaaatgcaa gaattttattg ggctggagga caaccactgg gtggaaagga ggtcttacag 120
 ccattaatca atgaatttcc acatctttac agtaaagaag atcttgcttt gcatggagag 180
 ctggaacat ttgcaaataa agcttctcta atggctgccc atgattacat 230

<210> 39153
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943508H1

<400> 39153

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 caccctgat accaaagttc tgcaggctat gcaactgatg actgacaata gaatcaggca 180
 catccccgtg attgatgaaa aagggatgat tggcatggtg tccattggag atgtggttcg 240
 tgctgtggtg cgtg 254

<210> 39154
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943509H1

<400> 39154

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 tttctgcacc agagaagcag tctccagaac ccattctcga atccattccc ggcatacaact 120
 ccatcatcat cgaattcgaa gaaatccctg tccatcatgg gccccaccac cctcctagcc 180
 ctaatctccc tcatagtcata actcggcgctc ttctgcccct ggggtgggctt tccccagggc 240
 tcccccttca ctcccactcc c 261

<210> 39155
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943470H1

<400> 39155
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 ccctaaggcg gtgcagtacg tgagaaacga ccgtggcact cccatgattc tagacaacaa 180
 ctactacaga gacatattag aaccaagggt tctcttgata gtggatcacc aactagccaa 240
 tgacaagagg 250

<210> 39156
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943440H1

<400> 39156
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 tgaggaagaa gcaaatttga tctcatcatt gcaatttggc agtgaggatg gatggctctc 180
 ttcattttat tcttgtttga taaagaagta tgacaaagaa aatattgtag tagccaagtt 240
 cagagatcct gag 253

<210> 39157
 <211> 253

<212> DNA
 <213> Glycine max

<223> Clone ID: 700943441H1

<400> 39157

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 aactgatcc tctttgttgg cccctctgta tgatcctaac tgtgaccctc cagccgtcat 120
 tccaattgat cttgacattg atgaggatct aggggaagag atgataaggg acatgatgtg 180
 gaaagaaatg cttcattacc atcctgaatc tgctatggag agtgcagggt tgtgctaattg 240
 atatttactt cct 253

<210> 39158
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943442H1

<400> 39158

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 ttttttcttg tcccttttct ttactctgta ttgtatcaat gcttgaaaat ggggttggtc 180
 caaaaatgtc atatatattt ggcttgctaa tgggtattgt aaatctctga acttgaagtg 240
 atgcacgggt tt 252

<210> 39159
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943443H1

<400> 39159

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 tgcattctcc attttttagg attaagcggg gagattcgtg aatctgagaa atgtcggatt 120
 cttctcggga ggagaatgtt tacatggcga aattggcgga gcaggccgag cgttacgagg 180
 agatgggtga gttcatggag aaggtagcaa agactgtgga ggttgaggag ttgacgggtg 240

aggagac

247

<210> 39160
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943444H1

<400> 39160

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 attcgctcct ccaccgtcgc tctctcgaac aaccacaaca ccatcttcat cacatggcaa 120
 acgcagcatc tggataggca gtccatgatg actgcaagtt gaggtttttg gagctgaagg 180
 caaaaaggac acgcggtttc atagttttta agattgagga gcagcagaag cagggtca 237

<210> 39161
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943446H1

<400> 39161

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 atcagcccca gaagtgggaa gggtgagcat gaggaagacc gtcaccaagc aggtctcctc 180
 aggaagccca tggtagggcc cagaccgagt caagtacttg ggccattct ctggcgagcc 240
 cccgtcctac cta 253

<210> 39162
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943447H1

<400> 39162

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agcacagata atacgtgatt gctggcaaac ggagccacac ttgcggccat cattctcaca 180
 actgatgtct cgtctttacc gtcttcaaaa tttgattgtc ccaaaaacgg gtgcaacaca 240
 ttaaaccaag ttgt 254

<210> 39163
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943448H1

<400> 39163

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 tgagtatgat aagaatgatg gtgttaaaaa aagagtaagt gaacatgatg aattgggtga 180
 tgctactaac tctgcagcaa tagtaaata tgcagactca aacagtggaa cagaggatga 240
 cattcattct tcaact 256

<210> 39164
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943449H1

<400> 39164

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 aaactattat gattaaaaat aacccttaaa tatgtgtttg cttcctgtat atttacgttt 120
 ttttttataa tttttgtctc tgcaagtgtt tttatttatt tttaatgctt gtaagtttgt 180
 atttttttta aaattttagt tatgataatt ttttattctc gtaagtttat gtgttttcaa 240
 ttttagtcct t 251

<210> 39165
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943451H1

<400> 39165

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 agctgactga catcatcatg gacttcgact tcaggactag ttttcattct gtcaagcacc 120
 tctctgctgt gcaagcggct agacttcaact ctgatgtaga taatgatggc cgatgtgatt 180
 tccgatgtcc attttgtgat ttgaaattg aagttcctgt gctctgcagc aatttcgaag 240
 aggagcattg ctc 253

<210> 39166

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700943452H1

<400> 39166

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 caggcactca gagctaaggg aatcgatgaa gatcctcgaa actatttgac attcttctgc 120
 cttggcaacc gggaagtga gaaaccagga gaatatgagc cttctgagca accagatcct 180
 gattcagatt atcagagagc ccaagaggcc cgacgattca tgatttatgt tcataccaag 240
 atgatgatag t 251

<210> 39167

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700943453H1

<400> 39167

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 caagaactac ataacagggg acgacggagg caagtctgag atacaaccta gaggactcaa 180
 cattgtgtgg ggaaatgatt ctcgatactg gaaaattcca gaacaaggtc ctgcggagct 240
 gatccaagtt tcat 254

<210> 39168
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943455H1

<400> 39168

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 ttctagggct ttctcatctt gtgtgcttga aagcagtccc agttacaaga actgaaaacc 120
 ttatgcaagg tcaagttcac cttactctgg tagaacaacc acaaggttat gcacggagag 180
 caaactgtgc actggtgatg gtaccaacca ttcaccggag aggactggaa tgtggaactc 240
 catcgatcta ttcccctatc ag 262

<210> 39169
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943456H1

<400> 39169

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 tttttttgtt gaggtgaaag tgaaatggtt ggcaaggata atctgagggc tgaggacttg 120
 aacttggtct ttaagaagct tatgatggtg gccgggagtg ggaacagtga cgaaaggggt 180
 gaacttgaag gttgggggtga tcaccgagtg gaaggatatt cctgtggagc ttctgatgca 240
 aattctgtcc cttg 254

<210> 39170
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943457H1

<400> 39170

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 attttgctta caacaagatt cagaccttga atattttgga gttgatatta atgccatagc 120
 agaatatgcc aagacatgca atgacattca acacttgcgt gctgagataa gggactttga 180

tgcatTTgat ctacggaggc ggcttccagc tgtagttagc aaattataca aggcaataaa 240
 ttccaatgga gg 252

<210> 39171
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943459H1

<400> 39171

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 taagcagaca tgtccacact tccctcctca acctttccaa actccaaact ctccctctct 120
 acctccttat cctcacaaaa actcccactt ttccacaccc ttttccccag acccctcctt 180
 tttcctcatc tgcgaattca aaccccacca ccattccttc ccccgcttct ctgcaagtcc 240
 cccgagggca cgga 254

<210> 39172
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943461H1

<400> 39172

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 ccctgtgcct tcgccggacg ctggaaaagg gaaacccaag ggtggtggtg gcggcggcgt 120
 ttctgtgaac ctcgaggac tcaaagagaa gcaaggtttg tgcggttgct tgcagggtcaa 180
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 gccgtcgteg tcg 253

<210> 39173
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943462H1

<400> 39173

<212> DNA
 <213> Glycine max

<223> Clone ID: 700943465H1

<400> 39176

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 cgtcatggaa ttacttttga gcttgatgag aagatgggtt cagacgatga ggacagagaa 120
 ttgttgcagg aaatcataaa caattctaag ttaagtgaag gatatctcac ccttgctcgt 180
 gatattgagg tcatggagcc caagtccctt gaggatatat acaaggcaca cttgcttgat 240
 ggccgggcta g 251

<210> 39177
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943466H1

<400> 39177

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 tgttggtggt ctagacatgg ctctttctct ttatcctgaa tgtgccaatg acgccaacgt 180
 tacaccaaaa tgggtgggatc atttacattg cgccatgtct cactacaagt ttgttcttgc 240
 aattgaga 248

<210> 39178
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943468H1

<400> 39178

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 ctccggaggt gaaatgcgca agttggaggc ttgctgacga agcacacaac atctttggct 180
 ttgagcccat tcctgaagag tgcgttgaag caacaaagga atacatccat ggcgaacaat 240

atagatcaga

250

<210> 39179
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943439H1

<400> 39179

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 catctttctc tgatattgaa catgaattag gcttgggtga ggctaattgt tgcattgcaa 180
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 agatgaggaa gg 252

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 <213> Glycine max

<223> Clone ID: 700943469H1

<400> 39180

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 caaaggaatt ttttcacacc ttgctcatgg ggtagctggt gcagcacatg gtggacatgg 180
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 <212> DNA
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<223> Clone ID: 700943407H1

<400> 39181

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gaagaacgtc gcacgcacca cccttctctc tcttcaacaa ctcagctctc agaacagata 180
cagtttccac tgagtaaadc gcaatgcagg taactgagac gaggactggt caagttaagc 240
agctttcaga tct 253

<210> 39182
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700943408H1

<400> 39182

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tttgttgctt cttttgttgc tgettgcact gggaaaaact ccaacctttg tttccatttt 180
gtatggttat cgtcgatact cagcctcaga cacaagcaga cttcactccc cctcctcaca 240
agccaggctt tcct 254

<210> 39183
<211> 256
<212> DNA
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<223> Clone ID: 700943409H1

<400> 39183

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tgctggttat tttgtcaatg tagaggatat ctcaggaaca catttcatcg aaaagttcta 180
cagtgaagtt gtttcaactc atggctcagc aaagaatttg ccttcactct gcacttcaaa 240
attcagccca gaacta 256

<210> 39184
<211> 251
<212> DNA
<213> Glycine max

002220.032560

<223> Clone ID: 700943410H1

<400> 39184

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gcaagtgcgg caacggctgc ggaggctgca agatgtaacc agacttgagc tacaccgagt 180
caaccaccac cgagaccttg gtcattggag tggcaccagt taaggctcaa ttcgagagtg 240
ctgaaatggg t 251

<210> 39185

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700943411H1

<400> 39185

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ccctgagtat gtccttaatg ttgatgcata caacaagtac agcaagttat accttagccc 120
tctgtttgca ttatctattg gatcaggttt tgcaagattt acggcaaccc tactcatgt 180
agcactcttt aatggaagag acatttggag acagagtaga tcagcaatga gtaacgcaaa 240
attggatatc ca 252

<210> 39186

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700943413H1

<400> 39186

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aaggaagggc aagataaaac ctgttcatgt tgttgatgtt cctgggcatt ctgggcttcg 120
acccaaactg gatgagtact tgcctcaagc agctgggata gtttttgtgg tagatgcttt 180
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aagtgttggtg agg 253

09531413.032200

<210> 39187
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700943414H1

<400> 39187

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gagaaaaaaa aaaagagagt ccgttagtta atttcagttt atttattgta tattttttaa 120
aagaagagaa aaagcaatgg tgacagagga agaaatatct gaagcggttc agtctctgct 180
gcggattcca aaccctagta gattcacgag gctaaaccag gtggtggagg agtccaggc 240
caa 243

<210> 39188
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700943415H1

<400> 39188

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gcaaccagtg aaaatgatgg atcagagaga aatgccaaagc aagaggattt tgagtccaat 180
gatggccatt atgttcaatt tgatgaaatg tcccaaaagg attttgagct agatgaaggt 240
gaccattata ttgaaat 257

<210> 39189
<211> 252
<212> DNA
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<223> Clone ID: 700943416H1

<400> 39189

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tgaagttggg ttgatcggca tttgcgattc ataaagtttg aatttttgaa actcctagtc 180
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 aaggtttggg tt 252

<210> 39190
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 ttcttcccc tctctctttc aagctcaagg tcataagggc atatgctttg aacaaaacct 180
 gggtgatagg ttttctaata gatatatattg gggcactgtt gatgttaagg gcattagctc 240
 ttgcgcctgt ctctg 255

<210> 39191
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 <223> Clone ID: 700943419H1
 <400> 39191

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 cttcaccatg gccagtttga accatggaat gagccgtttg gtgttcattg tgtatcgcaa 180
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 aaagatgaca tgg 253

<210> 39192
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 <223> Clone ID: 700943420H1

<400> 39192

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 caattgtgga cacagagggt ggacgcattg gcataggcat ctgttctgac attcgatttc 180
 cagaactagc tatgctatat gctgctagag gtgctcactt actctgctat cctggggcca 240
 tgaacatgac aac 253

<210> 39193

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700943421H1

<400> 39193

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 tcaccatgct cactcaaatt ccgagttagt tagttatctc tttccgccat ggaaggtaac 180
 aaggacgaag cattacgctg cgttcgcac gccgaagaag caatcgcgctc gggaaacaaa 240
 gaacgcgccc tctaata 256

<210> 39194

<211> 182

<212> DNA

<213> Glycine max

<223> Clone ID: 700943422H1

<400> 39194

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 ttcaaagtct tctggtagtc agatgttgcc agatcaacag cattcgcagc aacttgaacc 180
 tc 182

<210> 39195

<211> 255

<212> DNA
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<223> Clone ID: 700943423H1

<400> 39195

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 accaagccta accagcttgt ttgcaaggca cagagacaac aaacaccaca agaggatatt 180
 gatgtcagcc caatctaccc ccgttttagct ctaactgtgc tcattgggtgc tgctgctgtt 240
 ggctccaaag tccaa 255

<210> 39196
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 <212> DNA
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<223> Clone ID: 700943425H1

<400> 39196

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 ggttttgcag tttctttggg ttgaagcact tccgtcttcg agttgaggca ttgagcagag 120
 caacgaagct cctcccaaac caatgacttt ggtcgacggc gcttcctact gaatttctta 180
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 aaatacaagt gccctt 256

<210> 39197
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 <212> DNA
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<223> Clone ID: 700943426H1

<400> 39197

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 ctttctcaa cccaacaga catcatcaga atcctcaaaa aagccggagg attcaccacc 180
 ctaatccgtc ttctcaccac tacacaagtc tcaacccaaa tcaacgccca acttctgaac 240

tcaaacaacg gattaac

257

<210> 39198
 <211> 255
 <212> DNA
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<223> Clone ID: 700943427H1

<400> 39198

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 accttctctca accccaacag ccattcatcag catcctcaag acagccggag gattcaccac 180
 cctaattccgt ctgtctacga ctacaggagt ctcaaccacg atcaacgccc aacttctgca 240
 ctcaaacaac ggctt 255

<210> 39199
 <211> 122
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943430H1

<400> 39199

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 acctcttggt atgctcagtg atctcttggg ttatcaagtc agtttgtata cttttttagc 120
 tc 122

<210> 39200
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943431H1

<400> 39200

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 agctcgagga ggacgacggc gaggatctgg acttctctct gccgccgcgg caggtgatag 180

gccccgacga gaacgggata aagaaggtga tcgagtacaa gttcgacgag gacgggaaca 240
aggtgaagat ca 252

<210> 39201
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700943432H1

<400> 39201

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caagtaaaat tcctaaaatt tattagtctg aaatgatttt ccactaatca tactttgcca 120
cagcttgatg acgtgataga tcttgtggtc cccagaggca gtaataagct tgtctctcaa 180
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gtagacaaaa cagctaata 259

<210> 39202
<211> 116
<212> DNA
<213> Glycine max

<223> Clone ID: 700943434H1

<400> 39202

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ttccagaacc ccttctagac gatcaaaaac gaatcataca gctgttccaa acaaca 116

<210> 39203
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700943435H1

<400> 39203

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ctgaaaacac aaaacctaaa cgcacagcac tttgtagtta accaccctcc accgagccgt 120
cgaaccaccc ccgtctgccg gcgtcgcacc tcgccaccga caaccagcgt cggcgcacca 180

ctgcaccaga gcagtaggcc gtcgcagtcg cacgcggcaa ccaccagcca ccaagtcttc 240
gtagcagatc tgtg 254

<210> 39204
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700943436H1

<400> 39204

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caaggatgag taagcttcag agtgatgctc taagagaagc tatctcagga atcatggctg 120
attccaagga aaagaacagg aaatttgtgg agaccattga actccaaatt gggttgaaaa 180
attatgatcc ccagaaggac aagcgtttca gtggctctgt taagttgcct catattcctc 240
gccccaaagat gaa 253

<210> 39205
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<212> DNA
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<223> Clone ID: 700943406H1

<400> 39205

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gatagctcgt gttcgtgaga tggatgtttt tcaatcaaca acaaatcaaa cattacaagc 180
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tgcagaaatg gaaag 255

<210> 39206
<211> 252
<212> DNA
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<223> Clone ID: 700943437H1

<400> 39206

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 ggacttttga tgtctctctt ctcaccatcg aggagggtat tttcgagggtg aaggccactg 180
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943438H1

<400> 39207

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 ggttttcccg tagggtagcc ggagctgctg 150

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 <213> Glycine max

<223> Clone ID: 700943355H1

<400> 39208

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 tcgctgataa gtgcggacat tgcttctctg cgacatggcg cacactagcg gccttgtggc 180
 ccgcaggaag tgaacagccc ctctgagtat tgcgacattg tgaccaccac gac 233

<210> 39209
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943356H1

<400> 39209

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 tccaagcgga ttctgaagga gctcaaggac ctacagaaag accctccaac ctcttgagct 180
 gccggtcccg tagcagaaga tatgtttcat tggcaagcaa ctataatggg tcccc 235

<210> 39210
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 <212> DNA
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<223> Clone ID: 700943359H1

<400> 39210

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 cgagggacgg cgatttggtt gaggcgaaga tgcttctgga atgcaaccct tgtcttgcaa 180
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<210> 39211
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<223> Clone ID: 700943361H1

<400> 39211

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 cgccgcccgc gcgctttttg agccggaagg gttcggcacc accggaaca agacgatgca 180
 gatgatggag atcgccgcct tcttcggaca cgtcggcagc aagacctctt g 231

<210> 39212
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 <212> DNA
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<223> Clone ID: 700943362H1

<400> 39212

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 gaatatatga cttatgctcc tttaggttcc ttaaattccg tgggtggcgt actacagaga 180
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<210> 39213
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943366H1

<400> 39213

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 gtcttctcag ctttctttcg agagatctta aagacattga ctaacaaca taaagtggat 120
 caatcaaaag acttacttct tcttctaaca acaataagat cacatctttc ccactcatga 180
 agagacttag cagctcagat tcttccagt ccctcatgac aatttgcca tcaacag 237

<210> 39214
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 <212> DNA
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<223> Clone ID: 700943368H1

<400> 39214

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 aggagaagaa acctaaggct ccgaaggaaa agaagccaaa acaggccaaa acagcttcac 180
 atcctccata ttttcagatg attaaggagg ctttgatcgc tttgaacgag aaag 234

<210> 39215
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943369H1

<400> 39215

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 ttggccatgg ttctgcaaaa ctagctcgcc aggacagag taaggagaaa acgctggcaa 180
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943370H1

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 tccaaactaa tctctgtcta tatgtatcaa cgagtatgtg cataagtcta agtctgcacc 180
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<210> 39217
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943371H1

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<210> 39218
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 <212> DNA
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<223> Clone ID: 700943372H1

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 gcactgacag ctacggcgctc accaccgggt tcggtgctac ctcccaccgg agaaccaaac 180
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<210> 39219
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<223> Clone ID: 700943373H1

<400> 39219

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 gcaattcctt cacaccacc ataataataa tatcttcatt gttcttttct tctttgttac 180
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<210> 39220
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 <212> DNA
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<223> Clone ID: 700943375H1

<400> 39220

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 atgtcaagtg ttgatatgtg tgctaaaata ttaaataaga cgattgaaat atatagtcac 180
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<210> 39221
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943376H1

<400> 39221

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<210> 39222
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 <223> Clone ID: 700943378H1
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 gaatcccaac ttcaagtacc cttttttgt catttcatga tctaggatgat agatcgtgaa 120
 aatgacaagg atgacccatg attttgggga tactatgcag aaagatgcag tgccggtggt 180
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<210> 39223
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943380H1
 <400> 39223

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 aggggtcaagc ttgttctctt aggtgattct ggtgttggt aaagctgtat tgttctacga 180
 tttgttcgtg gtcagtttga tccaacatct aaggtaactg ttggagcttc t 231

<210> 39224
 <211> 232
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943386H1
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 tcgcaaaaca tgggtggtttt aaagtccact tcaccactct catctctcac ttcccacttc 120
 ttttaaccttt ctctctctct ctctctctcc tccaaattca cctccccaca ctctctccgc 180
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943389H1

<400> 39225

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 gcttgaagag aaggccactt caaaggggtg aagcggaaca gtcattgccg tcaaaaaagt 180
 caactctgaa agcttacaag gacttgagga gtggcagtcg gaagt 225

<210> 39226
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943390H1

<400> 39226

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 atgttagttc tgatactgta tgcccatggt gctttgttgg caaaaaaat ctagacaagg 180
 ccatagctgc ctccaaggat aaatacaact ttgagataat atggca 226

<210> 39227
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<223> Clone ID: 700943391H1

<400> 39227

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 cacagcgctt agttgtgagc accaaaccaa accacattgt ttgcaaggca gcacagaagc 180
 aggttactgt ccaagagggt gaggacacta ctactggcct tgtctct 227

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 <213> Glycine max

<223> Clone ID: 700943393H1

<400> 39228

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 gttgtcttta taatggcagg ctagagatat tgccttctaa ggactgggaa ctagagtcta 120
 ttcatagctc ggaagttttg gatatgataa gggaacacat aactactgta actggcttga 180
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<210> 39229
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<223> Clone ID: 700943395H1

<400> 39229

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 gagatgcctg agttttgcgt gacaggtggg actgggttca tcgcatctta cctgggtcaag 180
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 <213> Glycine max

<223> Clone ID: 700943401H1

<400> 39230

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 tactgttgca atctcttttg ttttgactgc ggcacctaac tatgttttaa aacgctcaag 180
 gtcccaacaa taatcaactg ggaaccttag ttaaattgatc ttattgatca atcaagctgg 240
 ataatatata tatat 255

<210> 39231
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<223> Clone ID: 700943402H1

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 taccgtaaag gaagttgagg aaattttctc aaaatatggc cgggttgaag atgtttatcc 180
 tatgcgtgat gagaagaaac aaagtcgtgg atgtggtttt gttaaatact cacacagaga 240
 tatggctctg gcagc 255

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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943354H1

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 tacacaccgc tcttgagggt gtaattatgg tagtcctcat agaagttgca actatggcgg 180
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<210> 39233
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943403H1

<400> 39233

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gatagctcgt gttcgtgaga tggatgtttt tcaatcaaca acaaatcaaa cattacaagc 180
tgaattgaga gagcgcacag agcaatataa tcagctctgg atgggttttc agagacagtt 240
tgcagaaatg gaaag 255

<210> 39234

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700943404H1

<400> 39234

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cattcctaac cagcatcgaa ctgatgaaga gctaacgacg tatagtccgg tctacgttgc 120
atgaaaggtc gtttgccgga aaaaccagaa gtggtttggg aacaagaatc ttcgagagag 180
cattttattc tggccttggt agcaccgcat gggtattaga aacggattct taccgggcta 240
tatcgt 246

<210> 39235

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700943312H1

<400> 39235

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attagtgtga aattattaat taattcttgg ctagacaaca acatggcctc cgccgcagcc 120
gcagacggac tcttcgggcc gatctacgag ggctgcatct ccgcctacga caacgacgtg 180
gagcgccgcc cctaccacaa gaactgcggc tgcgctctgc acagcaagtc gaggagg 237

<210> 39236
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943316H1

<400> 39236

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 ggggcagagg cctcatcatc ttctggtgca aataactaatg ctcaaaaatc gttcccccta 180
 aaatatgtta ctgcagttcc attgcctagg aatctccctg acaggggtaca atgtttttca 240
 c 241

<210> 39237
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943317H1

<400> 39237

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 tgatgagatt cttgagaaac aatgcctcaa gcagaagcag aggaaggtca agaaccacca 180
 ccgccatgtt tctgagaaag aagaacacca acaatatattga aacacaagaa ccctcttccc 240
 ccaaagtca 249

<210> 39238
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943318H1

<400> 39238

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 taatggttgc ctcgaaactg gccgaacaga caagattgaa gggggagcgt gtgaacaacc 180

ttgatctttc aaagggaccc attgaaacaa ggtcaaggga taaatttggg ttccaggaag 240
agaaca 246

<210> 39239
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700943319H1

<400> 39239

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atggctacca ccaccactcc tgctagatct tttctccaag tcgccgctac agaggaggcc 120
gcgccgcctc tcagagtcgt tcagattgaa ggactgggta ttctgaagat aattaagcat 180
tgtaaggacc actcgccttc tttagtcact ggacaacttc ttgggttga tgttggcagt 240
gttc 244

<210> 39240
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700943320H1

<400> 39240

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attcttatcc tgctccaaag gctcacagca acaggacaac ctgagtgtcc agaaggggaa 120
gaagaagaag aaattgaagt caaagaaaag caaggcacat gagtgtccaa tttgcaacaa 180
gattttcagg tcaggccaag ccttgggggg tcacaaaagg tcccattttg ttggagggtt 239

<210> 39241
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700943321H1

<400> 39241

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ttgcattgaa aatggaggga agagatgagg atgtaagagt aggagccaat aggtatggag 120

agaggcaacc aataggaaca gctgcacaga cacaagatgc caaagactac agagaggcac 180

caccagctcc attgtttgag cctagagagt taacatcatg gtctttctac agagcaggca 240

<210> 39242

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<212> DNA

<213> Glycine max

<223> Clone ID: 700943324H1

<400> 39242

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ctatctcttc tctcacccaa caaaaactca ttccttttaa gcacaataga agaagaagaa 120

caacaqcaac aacagcagca tatctcagat atcatcatgg ccgttgaagc gcgccatctc 180

aatctcttcc cttctcaact catcaccaac cggatatatat atcattaccc cttcctcttc 240

t 241

<210> 39243

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700943325H1

<400> 39243

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gagcgagaaa cagagaaatg gacgattaca cgagggaaat gatggacctg aagacactgg 120

tcactcgac tctcgagaag aaaggcgtcc tcgccaggat ccgtgccgaa ctcagggcga 180

gtgtgttcga agccatcgaa gaggaagatc gtgtgattga gaaggaacaa ggtctac 237

<210> 39244

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700943326H1

<400> 39244

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 ttcaggaaat atgggatgag gttggtgaga gcgatgagca acgagacaag atgcttcttc 180
 agttagaaca ggagtgcctg gatgtgtaca agagaaaggt tgagcaggct gcaaag 236

<210> 39245
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943327H1

<400> 39245

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 cggcatagat ccgacgggga agtacgtcgg aaactcagat ctgcaactcg agcgcggtgaa 180
 cgtctactac aatgaagcct cgtgcggggc cttcgtgccg cgcgcggtgc tgatg 235

<210> 39246
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943330H1

<400> 39246

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 gaccatcacc ctcgaggtcg agagcagcga caccatcgac aacgtcaagg ccaagatcca 120
 ggacaaggaa ggtatccctc ctgaccagca gaggttgatt tttgctggta agcagctgga 180
 agatgggtcgc actcttgctg attataacat acaaaaggaa tcaacacttc acttgg 236

<210> 39247
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943332H1

<400> 39247

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aaagatatgc gaggagtcaa gaagagttgg agaaagtcaa ccatatgcct cacctttcat 180
ctgaggtccc tgtcattgat ttagcactgc tttcaaatgg aaacaaagag gagttgttga 240

<210> 39248
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700943333H1

<400> 39248

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cgaactcatc acgagcgcgga agctggtggc ggaggcggcg cagtcggctc tgaagagcga 120
cagcgtcaaa gtggacaagg ccaaggtggc tgacgctgcc ggcgatcttc tgcagcgggc 180
ggggaagtat ggaaaacttg atgacaaaca aggcataagg caatatgttg acaaggctgc 240
tgatta 246

<210> 39249
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700943334H1

<400> 39249

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atagaactgt tctagtgttg gtaatcctca ccttacgagg aatctgtgta acaaaatcat 120
atcgagaaat ttgttaaagg ggatgaaaga aagctgtgtt tgataaaaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaagggg gccccccgac aatggacca tgccccccgg gatttattcc 240
gggg 244

<210> 39250
<211> 91
<212> DNA
<213> Glycine max

<223> Clone ID: 700943337H1

<400> 39250

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ttgtgcaagg tcatgcaata atctcacaat c 91

<210> 39251

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700943338H1

<400> 39251

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atatgagcaa gtcaaaacga accaacagga agcttcctac tgcaagtttt gactcagtc 120

cagtgaagc acatcctgaa ttgaaaaac caaaacggaa catgaggaaa attccaagcc 180

aatcctcaga tcctcctgtg caggaaaatc cacaaagtga gcttgaaaag attaaa 236

<210> 39252

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700943340H1

<400> 39252

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agtgaagact ttggttctag cagcttcaga gagttgcaag gaaacaacaa caagggttgt 120

tctaaggatt tgagttcgat gaattcgcat aaggagtgat atggtggggg gttgccacct 180

cactatccaa ggcacgtgg ttcttcttcc tctgctgcta cttcgagttc tgctatg 237

<210> 39253

<211> 235

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<213> Glycine max

<223> Clone ID: 700943341H1

<400> 39253

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 tagtgtecca acaccaatat caatgaagtt ctttctctgc ttctttttgc tgtatttcct 180
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<210> 39254
 <211> 235
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700943342H1

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 atccgctacc aaatgggttca acctcttaac ctgctactt caccatgttc agaacctttg 180
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<210> 39255
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943343H1

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 gatgtgaatc tgcttgatga aattcttcag gtatcaagtg aggaagctat agaaaactgct 180
 aagctgttag ccctgaaaga aggtttgctg gtagggattt catctggagc ag 232

<210> 39256
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 <213> Glycine max

<223> Clone ID: 700943345H1

<400> 39256

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 ttctctctgt gcttctgggt tctcctttct tcaattgtga ttctcttaat aaattgtcca 180
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<210> 39257

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700943348H1

<400> 39257

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 tcctccgggg tgaagcttaa agaagccaag gaatcagcag gaacatttgt tggcgaggtc 180
 acgaaggata caaagagtaa tgtggccgaa gtggcaggac gagggggac gatggtg 237

<210> 39258

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700943349H1

<400> 39258

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 gcgtccgaag cagttcgga tggagggggc gttgcctccg aagagagact tgactaggtt 180
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<210> 39259

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700943350H1

<400> 39259

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 aatcgaggat ccgatcgctt gcgaggaact agggtttcaa tcgatcgcat cacacacaaa 180
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<210> 39260

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700943310H1

<400> 39260

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 ataagaagga ggagaagcac cacaagcatc ttgagcacct tggggaactt ggtgctgcgg 180
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<210> 39261

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700943352H1

<400> 39261

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 aagtactatt taattgatca tggatatatc atatattctt ctacaatata gatatcacat 120
 aaccatagca atagtagttt cactatcatt ttctttgttg ttatatgctg ctccacactt 180
 tctgaccatt ctgcctatt tttggccttt gtttgcttcc actactg 227

<210> 39262

<211> 264

<212> DNA

<213> Glycine max
 <223> Clone ID: 700943273H1
 <400> 39262

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 acgcagcttg atcaatgggc tcaaagatta tgcactgacc agtgcctcgg ggaccggaga 120
 tttccaccca tacaggctaa agagctgccg cttttggagt gtacagtgtc tcttcttact 180
 gactatgaag ctgctaacca ttaccttgac tgggagatag aaaagcatgg tataattatt 240
 gaattttctg atcctgtcta taac 264

<210> 39263
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943274H1
 <400> 39263

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 aggtgatcct aacttgcact ttgtggaatc tcctgcattg gctccaccag aagttcaaat 180
 tgatttagct gcacagcaac aacacgaagc tgagcttctt gcagctgcta gtcagcccct 240
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<210> 39264
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943275H1
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 tcacattcac cacagcagca cacattgaca aagacaacct tggttgtctc caatcaaaac 180
 ctttcaagct ggcgttcgag aaccaagaca accctgtccg agatatcaag cccaggaata 240

ggagtatcat ggttgctgga

260

<210> 39265
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700943276H1

<400> 39265

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aggtcatttt agactccacc acatgatcat gatcatatga tcaatccctt aattttttct 120

tttttctttt cccttttctt tactctgtat tgtatcaatg cttgaaaatg gggttgttcc 180

aaaaatgtca tatatatattg gcctgctaata ggggtattgta aatctctgaa cttgaagtga 240

tgcacgggtt tgagatgggt 260

<210> 39266
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700943277H1

<400> 39266

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ctcaggctga agacatcatc aaagaacaag tcaagcttct ctacaagcgc cacaagaaca 180

ctgctttctc ctggctcaga aacatcttcc atgactgtgc tgttcagagg tgtgatgctt 240

cactgggtgct ggactcca 258

<210> 39267
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700943278H1

<400> 39267

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gagagtgtctg gtgaatgtgg gaaatctaca acccctgata atgagcttat aagcttgcac 120
catgtgcctc agcagcacia gatgagaatg ctagtgtttc tcagagttgc tgtgttcagg 180
tgaagaaaat tgggcagAAC cctagttgcc tctgtgcagt tcttctctct aacacagcca 240
aatggctgg cgtcaa 256

<210> 39268
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700943279H1

<400> 39268

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agaggggtgtg gagaggagga taaagaagct gcagcggctg gtttcgggcy gcacccgaat 180
gaacccggac cggctcttca tcaagacggc ggacacatct tgcaattgag gttgaactca 240
atgtgttgca ag 252

<210> 39269
<211> 105
<212> DNA
<213> Glycine max

<223> Clone ID: 700943280H1

<400> 39269

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catatctgct tgtgggtgtt tatctgttcc gttccacac aacat 105

<210> 39270
<211> 146
<212> DNA
<213> Glycine max

<223> Clone ID: 700943281H1

<400> 39270

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ttgtttctta atgttttgta agtccttaaa ttttgagccg caggtatggg aatatactaa 120
 taaatgcatg ctggattttg aagtgt 146

<210> 39271
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943282H1
 <400> 39271

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 gccaccgtgg ctcaactcac cgagcggggt cgcgcacgag ctccagccgt cctcggctgc 120
 cgcagcaacc tcgccctgcc ggcggtattc gtcggtggca tctacgttgg cggactgacg 180
 acgtccgcca gtcacacgag agcggcgagc tccaccggct catcgaacgc ctcccgcgct 240
 ccaaccagaa caacgcc 257

<210> 39272
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943283H1
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 accctcaacg actgcgacgg ccaactcatt tgcacaaacg gaaggtgcaa cgacgaccgc 180
 gacgtcggaa cccacatctg cggcggcgga atgccgcaa atccgccacc aagcggcgga 240
 agctgccagt cctcggg 257

<210> 39273
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943284H1
 <400> 39273

002230.13.03200

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taaaaccaac acccatgtcc ctaaactagg ggtaatgctt gtaggggggg tggaacaat 120
ggctcaaccc tcaactgggtg tgttattgct aaccgagagg gtatttcacg ggcaacatag 180
tacaagattc aacaagccaa ttactttggg tcaactgacca ggcacacagc atcagagtgg 240
ggctctgtcca agggga 256

<210> 39274
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700943285H1

<400> 39274

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cctgctcaaa gtgctagtgc aggttctttt gatgaccta caatcatgaa tagtcgagcc 180
tcattctctg ttcttcaga gaagcacgat cagtttgatc actgctcaaa ggaaaagagt 240
gacctttatc gagccaatat t 261

<210> 39275
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700943288H1

<400> 39275

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cggcaacggc tgcggaggct gcaagatgta cccagacttg agctacactg agtcaaccac 180
caccgagacc ttggtcatgg gagtggcacc tgtaaggct caatttgagg gtgctgaaat 240
gggtgtgccc gctgagaacg a 261

<210> 39276
<211> 262
<212> DNA

<213> Glycine max
 <223> Clone ID: 700943289H1
 <400> 39276

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 tcaaccatga ggggtgaggtt aacagggctc gctacatgcc ccagaacccc ttcattcattg 180
 ccaccaagac cgttagtgtg gaggtttatg tcttcgatta tagcaagcat ccctctaagc 240
 cccctcttga tggcgctgt aa 262

<210> 39277
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943290H1
 <400> 39277

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 tcgaccctac cctagggttt gaatccgatt tcaaagtcag gaaaatgata aatgctgtgg 120
 ctgagttagc atttcagtgc ttgcagagtt ctaaagagat gagaccttct atggaagaag 180
 tgggtggagac tctcaaggat atacagagtg atggcaaaca taaaagccag cctgaggtaa 240
 tggacatcac aagcacagct g 261

<210> 39278
 <211> 260
 <212> DNA
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 <223> Clone ID: 700943291H1
 <400> 39278

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 aaataaaagt cactacaagt gccctggcct tggtgctaac cagtaggcac aatgaattgg 120
 caaatataca tgtccagggc tatcttatta agtctggcga ggaataact acaagatcaa 180
 aagctaaatc agccccagat caatgggtaa tggtgccact ttctacaaag atagtggctt 240

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260

<210> 39279
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700943292H1

<400> 39279

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ctcagcaatc tgctgcaggc attgatgggt gcagcttggt ttgctgctat gcctctcttg 120
aagaagatac caacctcagt gctttgggggt tactttgctt tcatggcaat tgaaagcttg 180
cccggaaacc agttttggga gagaatacta tatcttttca ctgctccaag tcgaagatac 240
aaagtgatgg aggaac 256

<210> 39280
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700943293H1

<400> 39280

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tttgatgctg ttttctcatc attggcattt ttttcctccc ccaatctttt ttggatgaca 120
atacttgctc atgatgtatt ttcaaataaa aaatctgatt ttaatttttg ttttttgttt 180
aaaatatatg atatatcctt tttattgcag atgttgatatt tggacaaaagt tttttacttt 240
ttcatcaatt tttt 254

<210> 39281
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700943294H1

<400> 39281

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actgtagact tcatatattgg caatgctgcc gtgggtttcc aaagtgcaac atttatgctc 120
 gtaagcctat ggctcaacag aagaacacca tcacggccca aaatagaaaa gacccaaatc 180
 agaatacggg tatatccttg cacaattgtc ggatcctacc cgccccggat cttgccccgg 240
 ttaagggcag 250

<210> 39282
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943295H1

<400> 39282

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 ggcttccttg gcgccgcagc tgccctcgtc ttctcctgta tgggagctgc ctatggcaca 180
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 tcgattgttc ctgttg 256

<210> 39283
 <211> 165
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943296H1

<400> 39283

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 caccctgagt gtcagtttat tcttgatgct aatgaggggt atactctgag gaagcagttg 120
 aagttcttga gaaactacat gatatgaggt tgactactgt tctat 165

<210> 39284
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 <213> Glycine max

<223> Clone ID: 700943302H1

<400> 39284

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 cttcttctct ccattgtttc atttttatct ccaattcttc aagtgaagg aatataggaa 120
 cttgaagtga tgaaaacaac agaatgttaa aggaagcttt gatgtgaggt gaggtgagga 180
 aatcacaaga ggaatttgaa aatgagtaca gcaagattca tcaagtgtgt tactgtggga 240
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<210> 39285
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943303H1

<400> 39285

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 gggcttcaga aaagcacttc atctttgtct ctgtcttcaa tttcattgtc tttgtcacia 180
 aactcaaagt actcttccca ggctgattct ttgactccac tggatgaaaa gatttcgctg 240
 gcattgcgtt t 251

<210> 39286
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943271H1

<400> 39286

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 atgagcctgt ttctgttaag agtagtccaa acattgtgga agtaaaacct caggggtgtga 180
 gtaagggaat cgtagcagaa cgtcttctct taacaatgca acaaagggga gtgattccag 240
 attttgttct atgcattgga gatga 265

<210> 39287
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 <212> DNA

<213> Glycine max
 <223> Clone ID: 700943308H1
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 tagtttccaa ggctcaagtt gttcagcagc ttcaccatgc gacgtcggtg ggcgccagtg 180
 ccaggaccga caagaagcac gctcacaggc acaatctcag cgagtgcgct tcggatctca 240

 <210> 39288
 <211> 269
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943238H1
 <400> 39288
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 cattgatgag tactgctatc tcagccttcc catctctect ttcttctca aaatccgatt 120
 tgccaccgca gttcctcttg ctagcttttg tgtcaccaat gcctcttctt ctgcgttttc 180
 tatgagtgc gactggatgc caggccagcc tagacctect taccgtgatg gttcagcacc 240
 tggtgacttt ggattcgaca ctcttcgtc 269

 <210> 39289
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943240H1
 <400> 39289
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 ttttcttca gtttttttcc ccttttaaaaa tagacttgca accacatga tgcatgaat 120
 aatttaacaa aattaagcat tttttcttat aactgcactg ctggtatctc ttctgggtata 180
 gcaaatattc cacacaa 197

 <210> 39290

<211> 84
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943242H1

<400> 39290

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accattcttc ttccatccaa aact 84

<210> 39291
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943244H1

<400> 39291

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gacaaaaaca gtgtcaaaga gacagaactt cccaacaaag aagcaccaga agtgaacaag 180

ccagagcaac aaccaccttt cattccggag actgaaaaca gctatggcct atatggtcac 240

catgatgagt ataaccaagt cccttcc 267

<210> 39292
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943245H1

<400> 39292

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gaagtgtctc aaacaataat gctagtgtct ctggtggttag tgaactaaca agtagtggtg 180

gcagtggcaa ctatatgggt gggggctatg gggatgcaaa tggaaattca gggtatggaa 240

atgcagcttg gagatctgaa ca 262

<210> 39293

<211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943246H1

<400> 39293

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 aacttgttga tgattgggac tctgttactc agcaagataa gcttgtaaaa cttccccgtt 180
 caccaactgt tgatgaaatt ctgacaaagt accttgaata caaatcaaag aaggatggca 240
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<210> 39294
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 <212> DNA
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<223> Clone ID: 700943247H1

<400> 39294

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 tctctgaggt cttgttttcc aatgttgatt ttgtgaagga gcttgtggag tggacattgc 180
 ctgctttgaa tagggaaggt gttggagaag gatggaaggg gtttgtctat gctctgcagg 240
 gtatttatga caatgaaggt gc 262

<210> 39295
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943248H1

<400> 39295

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 caccagcatt tccgctg 137

<210> 39296
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943249H1

<400> 39296

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 tattagaaac aggccttctg tcctctggaa accatgaaaa acagtcatat agtctctaga 180
 ttgggaccac taaaaattgt gttcaatagt catttgatct aaaaatttat atttgcaagg 240
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<210> 39297
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943250H1

<400> 39297

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 tggttaagat aacatccgtg ggaagggtgt cagtttttgg ggatgtaatt agacagtga 120
 ccctgtaagt gacaataaag ctctaaacaa gctgggttct aatcaggatt gcggtaactc 180
 agccaagact ggtggatttt cagaagagcc agaataattgt gcctgtggaa atgacatctg 240
 ttgtggtcag ggtactctcg aaaat 265

<210> 39298
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943251H1

<400> 39298

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gctgcttttg ggttcccaga gactcctgaa gatgctgccg gagctgggtct tattagtggg 180
aaggataata tcattgatcg tagttctcaa gatgcttata ttaatgctat tcgacgtgca 240
gagaactgca tctatattga aaat 264

<210> 39299
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700943252H1

<400> 39299

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caaggttggt caagtcatca aatgcaaagc tgcggtttca tgggaggcag ggaagccact 120
tgtgattgaa gaagtagagg tggcaccacc acaagctggt gaagtgcgtt tgaagatcct 180
ctacacctct ctttgccaca ctgatgttta cttctgggaa gccaaaggggc aaactccatt 240
gtttcctcgt atatttggtc atgaag 266

<210> 39300
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700943253H1

<400> 39300

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aacgacgaat ctttattctc tctccgtcgt tgtttgttgc atcattaata gtagatgcca 180
atggatccga atccgcaagc ctccgtggag tccgaccggg acccgcttcg cgtgaagagg 240
aagacccttg aggccgtgct cttgcagt 268

<210> 39301
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700943255H1

<400> 39301

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 acccttgcag catttgatga agcaattgct gatggagttg atataatttc catttcaacc 180
 ggacttacta gtatagtgtg cattccgtat ttccaaagcg catttgatat aggaagtttc 240
 cacgcaatgt a 251

<210> 39302

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700943256H1

<400> 39302

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 ggaaacattg aaccaactga attactggct gacatggaca atcagatagc aacagcaaaa 180
 gaagaagctt taagccgaaa agatatattg gacaaggttg agaaatggat gtcagcatgt 240
 gaagaagaaa gttggcttga agattataa 269

<210> 39303

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700943257H1

<400> 39303

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 aattgactcc acaatgatgg attgttgctt gatgtgattg tagagttggt atggaaggcg 120
 tgattgaagg agaaacaatt tccaatgttt cctaatacat gatgtttgga agacttgga 180
 tcttcttttc tgcagaagtg tgggagggat gcatagtcca ttaccttcag taattcctcc 240
 gtcccacaac cttgcagcac ctgga 265

<210> 39304

<211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943259H1

<400> 39304

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 agcatctgac aagggcagat tttttgcttt tggtcgtgta ttctctggca gagtttcaac 180
 tggtttgaag gtgaggatta tgggaccaa ttatgtccct ggggagaaga aggatttgta 240
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<210> 39305
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943260H1

<400> 39305

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 gttcttcttt gagctcaaga agcagatata atgctctctt atattgtcaa ataagaccga 180
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<210> 39306
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943261H1

<400> 39306

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 caagacagcg cggcgtacga agtttgagtt gaaaggggac gacatgggta tgcgcactga 120
 acaaaccga tgaagagaga gcccctttac ccctcgatga agatttgctt gggatgggccc 180

agtactattg ccttcactgc gatcggtact tttccaatgt agccgtgagg gatgagcact 240
 ttaagaccaa acgacacaa 259

<210> 39307
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943262H1
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 cctccgtgct ggagcaccac acctactccg tcacaccac ccgccaaact cctccctcct 120
 cgcgcaggct atccacgcgc caccacacgc ggtgtggtcc gtcgtgcgct gcttcgacaa 180
 cccacaggcc tacaagcact tcataagag ctgccacgtc aaggagggct tccagctcgc 240
 cgtgggggtcc acccgcatg tcca 264

<210> 39308
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943263H1
 <400> 39308

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 agcttttcaa agcttttctg ttgaaaatat agaacttttt ctatcaaaga agctctcaaa 120
 aactctcttc tcatggcttt gtacccatgt aggacatag tatcttagtc cagcattgcc 180
 ttatgctaaa cttatgtttg acatctcgta taactcatct attcttattt tactcagata 240
 ataacagagt taaaaaaatt attta 265

<210> 39309
 <211> 84
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943264H1
 <400> 39309

002220. E11E56

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gccatgagcc acttgatccc aacg 84

<210> 39310
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700943265H1

<400> 39310

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tgcttgctgg gagctctact gcctcgagca cggcatcggg cccgatgggc aaatgccaa 180
tgacaagaca gttggcggtg gtgatgatgc tttcaatact ttcttcagcg agactgggtgc 240
tggaagcac gtgccacgt 259

<210> 39311
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700943266H1

<400> 39311

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gttcagagtg ggagagttgg tgggagttgg actcctcgta ggttgctgca aaaactgcca 180
gtcatgccaa caagacattg agaattactg cagcaagaag atctgggtctt acaatgatgt 240
ttatgtcgat ggaaaaccca cac 263

<210> 39312
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700943268H1

<400> 39312

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 agcattagca ctttctcctt ctcatttgag ttcacatgca gggcttaggt caccattggg 180
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<210> 39313
 <211> 136
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943269H1

<400> 39313

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 agacagtttc accatcagtt tcttccaaaa aatttggttc ctttctgat tggattccag 120
 gccaggctcc atttca 136

<210> 39314
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943234H1

<400> 39314

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 ttccagatta tgcaccgggg ctatccaaca gaaacattag tacggtttct caaagcaagg 180
 gatgggaatg ttgtcaaagc acataaaatg ttaattgatt gtttacaatg gagagtggaa 240
 aatgagattg ataatgtttt atcgaag 267

<210> 39315
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943204H1

<400> 39315

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 ctgaatttcg gaactctgga ctatctgcta gattgtgcct gagtttgtag ttgtggccat 180
 ggttgcagat cgaagctctg aaatgtcgtt attagttgga ttttagaaat agatttgcatt 240
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<210> 39316

<211> 135

<212> DNA

<213> Glycine max

<223> Clone ID: 700943205H1

<400> 39316

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<210> 39317

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 700943206H1

<400> 39317

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 ttctgacttg ttcaaagggc atcaacataa tgaccacagc ttcaattatg ccaactcaa 180
 caaagtgctt tcccagtcag ggtcatgggt aggcaccttc accaccacaa ctcaatttca 240
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<210> 39318

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700943208H1

<400> 39318

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 tgagaattca gtgaagagaa acggagttgc cgatgctgcg atgtcctaga tgatagatct 180
 gtgaggaaat tgaactgtga aaaaaaatgg cgacttcgga ggtagagaga aggggaaatt 240
 cggtaaacgg gaaagga 257

<210> 39319

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 700943209H1

<400> 39319

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 cctccctctc aaggaactcc tcttcattca gagttgtggc cagtgggtggc aagaagatca 180
 agactgacaa gccttatgga attaatggtg gcatggcttt gaggggaagga gttgatgcat 240
 ctggcaggaa aggaaaggga aagggcgttt accagttt 278

<210> 39320

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700943212H1

<400> 39320

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 ttaaagggtt aattgtaaga ttgaggaaga atgaaaaagt gacttgacag gtgtaagggt 180
 gttcatgcaa tgagatacta attaagtac aatatgtttt tttaaactgt tgtacattaa 240
 aaatggatct attatgaatt atatagtatt tgt 273

<210> 39321
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943213H1

<400> 39321

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 gcaaatgatg ctgactttga agagagaatt attcaacatt tagctgctgc tgcaacgatg 180
 aggagagtga accagcttgg tcggagggaa gggcagcaaa ctcgttcata acctcatgtt 240
 catccacact tcttagtggt atctaatacag 270

<210> 39322
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943214H1

<400> 39322

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 agtgggtgaat gcgttgtcaa agcagcgagc tatgctggaa aacatcctga gggcttgtgt 180
 tggattagct cctgagaaca acatgatcct agagtacaag tgaagttcaa agtcttaaga 240
 gtaacggttt gggatagtgt agttgaatgt gat 273

<210> 39323
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943215H1

<400> 39323

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gccaacgtg aagctcttca acgcggtggc ggcggaggac ttgatcgtga aggaagggag 180
 ggttgccggg gttgtgacca attgggctct ggtttcgatg aaccatgaca cgcacatgc 240
 atggaccca acgtgatgga ggcgaaggtt 270

<210> 39324
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943216H1

<400> 39324

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 ttgccttgga tcagatctga ctcaaatca ggtgccgcag tacacgggtgc ctccaacgc 120
 tggtttggct cttttcctac caaggacttt acctactctg cggacggggg attcggaagt 180
 gctgaagctg aagctgaagc tgaagctaga gatagtgaga ggaactacac tctttagga 240
 tgcacttggtg cccctgcgtt tcagtaccag gactt 275

<210> 39325
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943217H1

<400> 39325

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 aagaatttgg agaattatac acctttaagt ggactactct cctgattcct ccaaccacat 120
 cttaataatc aacattgttg gggttgttgc tggaatctca gatgccataa acaacgggta 180
 ccaatcttgg ggacctctat ttggaaaact attcttttca ttttgggtga ttgtccatct 240
 atatccattc cttaaagggtt tgatgggtcg 270

<210> 39326
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943218H1

<400> 39326

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 taatcgtgaa tcaccattaa atcggataac gttgtgggta tgtcattaat taacattgta 120
 tttgataaca tgaaattaaa gtaaaagtga aaaaaaaagt ttgaaaacga ctaaaagcat 180
 gaatctaaaa aagaaatctt atttaaaact agcaacagaa aagagtactt gagtgtaaat 240
 tgatgttcat tgattcattc aattattaac tgtg 274

<210> 39327

<211> 200

<212> DNA

<213> Glycine max

<223> Clone ID: 700943220H1

<400> 39327

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 gcatgtccaa tcggcagtgcc ccagtcagtc cagcgccttg gtacacttct gcccttgacg 120
 acggtgcatt gaccttaact cgctcaaccc ggatttgcct cgggtccgtca tcaacggcat 180
 tattacctcg gagtccatct 200

<210> 39328

<211> 105

<212> DNA

<213> Glycine max

<223> Clone ID: 700943222H1

<400> 39328

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<210> 39329

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700943223H1

<400> 39329

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 aatttagaaa aggtgacaga caaggcagta gtccagtggg tggttaactct gcatcaaata 180
 ggtcttgatg tggttcgacac tgataggaca ttagtttttt atgagaagca agaaaacttg 240
 tcgaaactat gggatattct tgtagtttat 270

<210> 39330
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943224H1

<400> 39330

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 ctcattccct ccgcttcctc cggcgattcc aaggctctct acctcaagat gaagggagat 180
 taccacaggt acctcgccga gttcaagacc ggcgccgagc gtaaggaggc tgccgagagc 240
 actctctctg catacaaagc cgctcaggac attgca 276

<210> 39331
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943225H1

<400> 39331

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 cctagtgggc ccccatctac cgcagatgca tatgaaaggc tgcttctatc cattcctgag 180
 tttgcaaact tttggaagct ttttaagtct tcagaacctg tggagcttac tgtagcagag 240
 acagaatatg cagttaatgt tggtaaacac at 272

<210> 39332
 <211> 279
 <212> DNA

<213> Glycine max
 <223> Clone ID: 700943226H1
 <400> 39332

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agccttctcc tcattgtctc tttatgctct gcctgaaatc aagggtgagg cttctgggtc 120
cgtcttcttc gtcgatagct ccaggaatca attccttcgc gcgagatcat ccaacgatga 180
gcaacctgca atgttgcttc aagaagttgg ttctgctgtg tcagtcttgc ttggttttgc 240
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<210> 39333
 <211> 271
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943227H1
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tatatatata aaatgtgtga acaatatata tatattgatt aaaaaatata gtttaattta 180
tatacacact ttgatcctat aaaaacatct tgacacaagc attcaataga atttcaccac 240
tttatcatga cattttacta taatgatgtg g 271

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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943228H1
 <400> 39334

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agaggacaaa caccattctt tgagttcatc atcagggata tgtgggtgtga tgtcctcaaa 180
aggattttca tctacatttc atagttcaaa tagtggacag cttgaaaggt cgtctgaacc 240

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atctaagaac agcaaaaaaa gggccaggcc a

271

<210> 39335
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700943229H1

<400> 39335

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ctcaagtcaa agatttcaaa gttggcgacc aagtccttgc taaactcact catcaatatg 180
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<212> DNA
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<223> Clone ID: 700943230H1

<400> 39336

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tcagtctctt tcgttatcaa attatttctt cgatcaaggt cgttttcgaa acttcaccaa 180
catgagctac tacgatcatc agcaacagcc tccaattggt gttcctccac ctcaagggtg 240
taaaggaaag gacgcttacc ctccaccag 269

<210> 39337
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700943232H1

<400> 39337

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gaagtcctct attcagaacc agatatggag acaaaaccca ccgagatcag cagcggaaga 120
 tggtcggagg ctacaacaag aggttcagac atttcagccc taccctcggc tgctccatga 180
 atttccacat ctacttcctt cagtctcctt ctccctctca caaattccca gtcttgact 240
 ttctctctgg cc 252

<210> 39338
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 <212> DNA
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<223> Clone ID: 700943233H1

<400> 39338

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<210> 39339
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 <212> DNA
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<223> Clone ID: 700943203H1

<400> 39339

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 aaaacgtctt gaaaggcgcg ccgattacgc cgatcacgtc tgaagccgcg gcatagcggc 180
 ggtgcccacc gctcaaggtt tacgacatac gccacgtggt caaagacgag aactccgccg 240
 ccgctgcca cggaaactcag caccaacgag tc 272

<210> 39340
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943160H1

<400> 39340

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 ctggccaaag gctctggatt ccaaggtttc caagtcctgt gctgtgcttt caatacctac 180
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<210> 39341

<211> 137

<212> DNA

<213> Glycine max

<223> Clone ID: 700943162H1

<400> 39341

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 acaaatatag attattc 137

<210> 39342

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700943163H1

<400> 39342

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 atactactat tttattactt gtcttttcta atcgttttgt tcattttact ccaggcaatt 180
 ggagcaacaa tcattgagta ctggcactaa aacttttgcc taatctgtta ttgcatctcg 240
 aa 242

<210> 39343

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700943165H1

<400> 39343

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 cgtggcctct gttgcatcct ctggctacaa gttgccattg atcaaagtgt aggccagagt 180
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<210> 39344

<211> 116

<212> DNA

<213> Glycine max

<223> Clone ID: 700943166H1

<400> 39344

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<210> 39345

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700943167H1

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 aaacactccc attccaagtt cattgcgaga tcttctaaag cctggccctg caagtgttga 180
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<210> 39346

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700943168H1

<400> 39346

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ggagcaagag aaggtagaag aagaagaaga agatgatgaa ataattgaat ccgatgttga 180
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<210> 39347

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<212> DNA

<213> Glycine max

<223> Clone ID: 700943169H1

<400> 39347

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caccggccgc aagatcatca tcgatactta cggaggatgg ggtgctcatg gtggtgggtc 180
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<210> 39348

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700943170H1

<400> 39348

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ctagtacggt aggcggtgga gctgctggtt tcagcttgat ttttcgaata cctcatctg 180
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241

<210> 39349
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<223> Clone ID: 700943172H1

<400> 39349

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 gacaaacctg cagatgatgg ctacaactgg cgtaagtatg ggcagaagca ggttaagggt 180
 agtgagtatc cacgaagcta ttacaagtgc acacatctga attgcgtcgt gaag 234

<210> 39350
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943173H1

<400> 39350

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 tctgacagac actctgggtg gttgacatgg attccaattc caaggccatt ttggattatg 180
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<210> 39351
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 <213> Glycine max

<223> Clone ID: 700943174H1

<400> 39351

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gttgctctgt ggacagccaa cacagagagg tacagcaacg tagttgtgtg gactaaacga 180
 caccatggat tacctctttg cttccttgga caggaatgag gctgagattt ccccttccac 240
 cttg 244

<210> 39352
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943175H1
 <400> 39352

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 ctacacggtc tgcctcggca tcatcggtgc cgcgtggttc accaagcttc ccgagtggac 180
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 c 241

<210> 39353
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943176H1
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 ctctgtgccc tcgccggcta agtctgcaag gtctctcgct agtaaagggt tgataattga 180
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 a 241

<210> 39354
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943177H1

<400> 39354

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 caagaacggg acctgccctt ggctgaggcc tgatgggaag acccaagtga ccgttgagta 180
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<210> 39355

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700943180H1

<400> 39355

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 cttgttgtaa gggcttcaga tgagcctgca gcggcgccac ccgccaccgc cacaccccca 180
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 aa 242

<210> 39356

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700943182H1

<400> 39356

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 tactcatttt tcaatggctt ctgcacgatg ttgagttccg ttgctttggt cgtgggcttg 120
 cttgggtcac cggcaacgat gccctcgaga aagccttttc aatctacggc gacatcggtg 180
 aatcgaaggt tatcaacgac cgtgagactg gaaggtccag aggattcgga tttgtgacct 240
 tcgctc 247

<210> 39357

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700943183H1

<400> 39357

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gcctccgaga ttgcaaaaag tcacacaaca acttggtcag tggaatactg gatacttaat 120
ctactacagg tcctgtggc attaggagcg acttcatatc aagctgtgct tctgtacaag 180
gcaagagagt gatagcatcc aaaggagatc aaagaacaca atggcgagcg caccagttag 240
t 241

<210> 39358

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700943187H1

<400> 39358

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tcaaggaaat agataatatt tattttgaaa ccgaataccg aagagaatgg tgcagcacia 180
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<210> 39359

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700943192H1

<400> 39359

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tgataccaag tttcttcggt ggtcgaagga gcaatgtttt cgaccctttc tcgctcgacg 120
tatgggaccc cttcaaggat ttgtctttcc cttctgctga agattcagct ttcttgaaaa 180
cacgagtgga ttggaaggag accccagaag cgcacgtgtt caaggctgat attccgggg 239

<210> 39360

<211> 238
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700943193H1

 <400> 39360

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 tataacgggc atttggttaa ttgcgacaca tggatgaaca tccatctgcg agaagtcatt 180
 tgtacatcta aagacggaga tagattttgg aggatgcctg aatgctacat acgaggca 238

<210> 39361
 <211> 239
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700943194H1

 <400> 39361

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 ttaacttttt tggacctaaa tgtgagtatg tggtgagtgg gtctgattgt ggtcggtttt 180
 catatggaaa aagaaagggtg gtcagcttat tcgtgtcatg gaagcagata agcatgttg 239

<210> 39362
 <211> 239
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700943195H1

 <400> 39362

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 attgaagggt gacgaggaga agaacacaga agaagttggt gagactccaa caccagaaac 120
 tgtggtcact gagcaaacca aggaggaaag tactgaggcc ccacgacctg cagcttctga 180
 agacaagccc tcggttgaag ttcagactaa agaggtggca gaggaagttg tgtctgaga 239

<210> 39363

<211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943196H1

<400> 39363

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 acttatgctt tgggtgaggga atccacactc tctgactgct ccaaggcaca actcgtccac 180
 aatgttgagg ctttgggcgt taatttggtc cgcggggatc tgtacgatca tgagaagttg 240
 gtg 243

<210> 39364
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943158H1

<400> 39364

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 ttcatcgctt tcaagcaata ttctcaagcc tgatattgca gcaccaggag tgaacattct 180
 cgctgcatgg attggaaata acgcagatga tgttccaaaa ggaagaaaac cctcactata 240
 caaca 245

<210> 39365
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943201H1

<400> 39365

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 tacagcgatt cacgtaaccc ttcatttttt cagatccact tcaccacgat cgcaatctcc 120
 ctccattttg tgcctcctt tctgtcacga tcgttttatt tttccagatc caccacacga 180

cgaccgcaat cactccatct gtgctctctt ctctgttat tgcgatctcc cctccgttgc 240
tgcaactgcg aagccaaggc aaagct 266

<210> 39366
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 700943202H1

<400> 39366

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ctaccaacgt tctgcctatg aactgcagtg gcagtctgaa ctctgtactc cggagatgta 120
taataagggtg tattttgcac gccaatcttc tgcttctctt gggtatttta tgaggcagac 180
ttcaattgaa gaggggtggct caacttcctt tattgtcctt aaaacaaatc atgggtgctgc 240
tgcattgaa tgccttctg atgcaagggc acca 274

<210> 39367
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700943117H1

<400> 39367

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aaacatcaat ttctgtttca gttcgcggag atcaatattt gtcgctgagg tcgatcgctg 120
ataaaaaggca atgtttttgt gggattggtt ttatgggatt ctacgctcgc ttggcctgtg 180
gcagaaggag gccaatctt tattcttggg cctcgataac gctggcaaaa ccaccttgct 240
tcacatgctc aaaga 255

<210> 39368
<211> 137
<212> DNA
<213> Glycine max

<223> Clone ID: 700943119H1

<400> 39368

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 tgtgtcaaac aaggatcaaa aagtcattgc aggatcatcc aaggcaactc ctaagaggaa 120
 cgaaaagggt gtcaaaa 137

<210> 39369
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943120H1
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 gattgacaag acaatgatgg atgagttaaa agaagtgaag aaggcattga atccaacaga 120
 agtgttgcta gttgtggatg caatgacagg gcaagaagcc gcagcgttgg tgactacttt 180
 caatcttgag attggaataa caggtgccat cttgacaaag cttgatggcg attcaagagg 240
 tggagcag 248

<210> 39370
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943124H1
 <400> 39370

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 tcaccacagt gatgcacctc gcggcgagc cgggggttcg ctacgccatg gagaatcccc 180
 actcctacgt ccacagcaac atcgcgctgc tcgtcacgct tctcgaggcc tgcaaatcgg 240
 cgaaccctca gc 252

<210> 39371
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943125H1

<400> 39371

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gtagatttg aatctcccag cagaagagaa tgaacagaaa caaacaatg atggaaactc 120

tgatcatgtc tcaactgaga accaaaacct ttggttgcaa gatttgtgtg atctggttga 180

tgaaaagttg tttttaaac ttatgatttt gaagcacttg cggatagagt gttgaaagtg 240

atcagaa 247

<210> 39372

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700943126H1

<400> 39372

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cagctgctgc aagtggcaag gatttagaag agactggcag tgaggatgat ggtcttttgg 120

atctgagtga tgatgatttt ttccttgctg ggagttctag tgacgaagca gatgcggatg 180

atgatggaca gacaaaagtg caagagagca ggcttctagt gcttctggga aaggcgtgtc 240

tggcat 246

<210> 39373

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700943128H1

<400> 39373

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cgctaataac atcaaacgct tggcagaaga atttgaccg gattgggcaa tgcagcacat 120

tattccccag gttttggaca tggttactga tccacattat ctgtatcgga tgacaatctt 180

acaagcaatt tctctactag ctctgttct gggctcggag attacttctt caaaactgct 240

ccctctg 247

<210> 39374

<211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943131H1

<400> 39374

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 gagtgaagccg cgccggaggc agggttgaag cacaaactgg agagaaaatg gacgttttgg 120
 tgcgacaacc aatccaaacc caagcaaggc gctgcttggg gaacctctct tcgcaaggctc 180
 tacacttcga caccgttgaa gagttctggt gtttgtatga tcaggtattc aagcccagca 240
 agttgc 246

<210> 39375
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943132H1

<400> 39375

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 caggacgtgg acagggcggc gctgtcgcgt cccttggacg agacgcagca gagctggctc 180
 ctaggccccg gcgagcagaa gaagaagaag tacgtcgatc tcggctgcat catcgtcagc 240
 cgcaagat 248

<210> 39376
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943133H1

<400> 39376

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 tctttgcgag gcagtggaaa agcaccaagc ttcaatgttg gttgtgggta gtcattggta 180

tgggacttaa aaaggtacaa attcattaat tttggtccta gtaattatgt ttatgttgct 240

ttgtaatgat ata 253

<210> 39377
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700943134H1

<400> 39377

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ggaatgctgt gggaagtga ggggaagtgg gttgttaaag gagcagttga tgtagacatt 180

ggtgcaaccc ttctgctgag ggtggaggag aagatgaggg atttgatgat gcagctgtaa 240

aggttg 246

<210> 39378
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<212> DNA
<213> Glycine max

<223> Clone ID: 700943135H1

<400> 39378

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ccccaaaacc aaggaagcat attactacag aatgatcttt gagagggttct tccctcagaa 120

ctcagctagg ctactgttc ctggaggagc aagtgttgca tgtagcacag ccaaagctgt 180

tgagtgggat gctgcttggt ctaacaacct tgatccctct ggtagagcag cacttgaggt 240

gcacatttca g 251

<210> 39379
<211> 121
<212> DNA
<213> Glycine max

<223> Clone ID: 700943136H1

<400> 39379

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caccaccatg ttcttagtgc taacattctt gtctttatcc atcaaatgct caactgagtt 120
c 121

<210> 39380
<211> 248
<212> DNA
<213> Glycine max
<223> Clone ID: 700943138H1
<400> 39380

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gtccacgtgg caatgacact cgacacgaca tacatccgag gatccatggc ggcgatcctt 120
tccgtcctcc aacactcttc gtgcccccaa aacaccttct tccacttcgt gtgctcctcc 180
aatgacaaca ccaacgcgtc cctcctacgc gccacaatct ccaacacatt cccctacctg 240
aatttcca 248

<210> 39381
<211> 245
<212> DNA
<213> Glycine max
<223> Clone ID: 700943140H1
<400> 39381

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acagagatgg acgccgtagc aacaggttcg gagctgaaca agtccggaag cggaggttcg 120
gaacgaagcg aggacagcgg aggagctgga ggaggagga tatttgagta ctctgggtgg 180
gttatcattt gggagtgaat tccattggcc atgagtactg tcattctccga ttcctcttca 240
ttagg 245

<210> 39382
<211> 247
<212> DNA
<213> Glycine max
<223> Clone ID: 700943143H1

<400> 39382
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 caggacgaga tctaagaggt tcttggaat tcaacaattg acggagcgta agaaagagta 180
 tgacttgaag acagcaatat ctttggttaa agaaacagct aaaaccaagt ttgtagaaac 240
 agtagaa 247

<210> 39383
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943144H1

<400> 39383
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 gtggctcaca ccttgatcag gtttagctat ggtgaaatta tgtctgctac tagaaatttc 180
 tcaaaggag ggtgttgggg agaggagcat tgagctgtgt ttttagaggg agagttggga 240
 ttt 243

<210> 39384
 <211> 160
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943145H1

<400> 39384
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 gtcacacccc ggtgtacctg caccataact gttccggcgg caacaccacc gccaacagt 120
 cctaccaact caacctgcgg accctcctca cttccctgtc 160

<210> 39385
 <211> 243
 <212> DNA
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<223> Clone ID: 700943146H1

<400> 39385

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 caattgaagc agttgacaaa aaagcgatcat ggaagacacc ataaacatga ttgtttatgt 120
 gctattttgtg ttctaaagcg acgtaggaag gaacgggaag agaattgctcg aattgctaga 180
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 ccg 243

<210> 39386

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700943147H1

<400> 39386

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 gcaatgattt ttgaagagga aaaaaaagat tcggaccact tccgaagtag ttccttaacc 120
 ccgattagtc atttgcatcc tccaattttg atggaatatg tttaatctat gatttcgttc 180
 tcttaatgct ttgaagttta tctaggggtt gctattgcaa tttggtatca gaagattgat 240
 taacc 245

<210> 39387

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700943148H1

<400> 39387

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 ataatgagat tagaagtgt cgatccagta tatattccat gagaaacata ctcaagaggc 120
 tttccagtgt aaactacatg actctggagt ttataacagc acttctactc cgtgttagcc 180
 agaaatcact tctcaataag atggatgctc ggagccttgc tatggaaatg gcacctgtta 240
 ttatg 245

<210> 39388
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943149H1

<400> 39388

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 aggaagaccg tcaccaagca ggtctcctca ggaagcccat ggtacggccc agaccgagtc 180
 aagtattggg cccattctct ggcgagcccc ggtcttacct aaccggtgag ttcccaggcg 240
 a 241

<210> 39389
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943151H1

<400> 39389

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 ggaggtgaag ttgggacagg ggggtgaaat gttgaccatt tttaaaaact atgaaactga 180
 tgtgtccatc ctggatgatt ttgattttta tgaagaccgg cagaaggcta tgcaagaacg 240
 gaaggca 247

<210> 39390
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943152H1

<400> 39390

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 actcctccga tttctccgtt ttccggagga aaagattcgc ttcggtttcg aagaaggctg 120

ggatctgatg cgtacgagaa gagagggcag aacagatcag gcccttcttc tcctttcgat 180
 gtgtgacgca ttttctcgta cctgaaagct gaggatgtag cagctttttt ggcctttgct 240
 gtatt 245

<210> 39391
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943153H1

<400> 39391

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 ttcttttttt gtccctttga aaagctaagg aattgctgaa ttgggggtatt acatgaaacc 120
 ttctgcaagt ggttcataag tttcctcttc tctgttcttc ttagaacaaa taatcaaata 180
 gaacctcttc aagttgagac aagagtaatg gcagccctat agtaattaga caatatcagg 240
 acaa 244

<210> 39392
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943154H1

<400> 39392

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 gcaagatata caaagaggca catgttagca ttgctgctct ctcagcttat ctaaagagat 180
 tacttgaatt ttcaccagaa ataatcttaa agtgcagca ttgtttgccc aatttgctat 240
 tcg 243

<210> 39393
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943116H1

<400> 39393

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 cacctacaac tttgccacct acaaccccaa ctgcaacatc tccatcttcc agcacgccac 120
 tggcgacaca acacaaccac ccacagtggg ggcattccct cccaccacga gtacaccatc 180
 aaccacatcc cagccacctg caaatgtagc tcccaaacct gctcctgtga aaccatcagc 240
 tcccaaagtt gcac 254

<210> 39394

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700943079H1

<400> 39394

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 ctgtccgatc tgaaaagcag cggagaagac taccctggct ccgactaccg tccccaagac 120
 agaaaaaact ggatgtccca tctcgaccct cagaaaactcc gcatcaacca aatcgtctgg 180
 cccggcacc cagactccgc aaccaacaaa attggcatcc ctctcctcac tcgccccttc 240
 gccagtgcc aatccctctc catctaccg 269

<210> 39395

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700943082H1

<400> 39395

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 ggagtcgccg ccggacgatt ttgatccggc gaatccgtac aaggaccggg tggcgatgct 120
 ggagatgagg gagcacatcg tgagagagaa gtggatccaa atcgagaagg ccaagatcat 180
 tagggagaag ctccgctggt gctaccgcat cgaaggcgtc aaccacctcc agaagtgccg 240
 ccacctcgtc aaccagtatc tcgagtcac 270

<210> 39396

0953113-032200

<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700943083H1

<400> 39396

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gtgatggctc attcactgta ggagaatacg tcaccgaaac tgtgtcgttc ggagccgggt 120
cggttaatag ggtcgcaatc ggttgcgggc atgataatga gggtttattc gttgggtccg 180
ctgggcttct tgggcttggt ggtgggcctt tgtcattaac ttcacaaatc aaagcgacgt 240
cgttttcgta ctgttttagtg gatcgca 268

<210> 39397
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700943085H1

<400> 39397

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ctctcttcat ttctcattga ctctctcttt ctctctctct ctgcacagtg ccaatggcgg 120
atccaatcgc gaaggctctg atcgcgtttg cgctcttagc ttcccttttg ctgtgcttgc 180
aagcttcctc cgatgtcccc ttcacgtcgc ctcaaaaaa ggccctccctc aacagactca 240
agtccggcgc cgaaaggggc tccgtcacca 270

<210> 39398
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700943086H1

<400> 39398

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agattgtatt ctattgctag cagtgccatt ggtgattttg gagattccaa gactgtttct 120
ctatgcgtga aacggctagt gtacacaaat gaaaatggag aaattgtcaa gggagtctgc 180

tcaaatttct tgtgtgacct gaagccagga gctgaagtaa caataactgg acctgttggg 240
 aaagaaatgc ttatgccagg agatccta 270

<210> 39399
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943087H1

<400> 39399

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 ctggaaacag aacgtgaagc acatgcacag gcaaataacc gggcggaggc tctctctcta 120
 cagttacaat ctgcacaagc caaaattgat tctctccatc aagaactgac taaatttcga 180
 ctgaatgaaa ctgcattgga cagtaaaacta aacactgctt cccatggtaa acgaatgagg 240
 gtagatgaca acattgggtga tgacatggat 270

<210> 39400
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943088H1

<400> 39400

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 acttaaacad tctgcagtta gttcttttat ttatacagac tgaccaggt gtgccagttg 120
 tatatgctgg atttggtgct ctaatgatca ctacttgcac cagttatttg tctcattcac 180
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 agatggaatt tccagaggag atgaaccg 268

<210> 39401
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943089H1

<400> 39401

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 caaaaaagtg gtgtcatcat gtgagaagaa gaagaagaaa agtgtgagtg cagaaaagaa 120
 gagtggtggg cgagctcgga agaactgtga cagaggaatc aggcaaaggc cgtggggcaa 180
 gtgggccgcg gaaataaggg acccacataa gggcgctcgc gtctggctcg gcaccttccc 240
 caccgccgag gaagccgccc gagcctacga 270

<210> 39402
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943090H1

<400> 39402

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 aaatcatttc atgatttaaa tggtaaacaa gttgaggtaa agcgtgcact tccaaggat 180
 gccaatcctg gtgcaagtgg ccgtatgatg ggtgggtcctg gaggtgggtg tgctggaatt 240
 tgtgggtatc aaggttatgg ggcat 265

<210> 39403
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943091H1

<400> 39403

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 gccgagggat caccgcctta gggaagcgag tcgcccaaccg gatctggact tccaacgcac 120
 ctctctcac ttcaaggagg ggagcataca gtagcggctc agtgtacgac aagaaccctg 180
 atgatgagat ccagtctggg caggtcccag acgatgtgat ccaggcggca acacaatccg 240
 gcaaatactg ggccccacat ccacaga 267

<210> 39404
 <211> 263
 <212> DNA

<213> Glycine max

<223> Clone ID: 700943092H1

<400> 39404

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tccggcgata actctccctt ttccggcgaa ttcaccgctt cctcgatatg aatccccgagt 120
atgactatct gttcaagctc cttctgattg gagactctgg tgttggtaaa tcatgccttc 180
ttctaagatt tgctgatgat tcatacattg agagctacat aagcaccatc ggagttgatt 240
ttaaaattcg cactggtgag cag 263

<210> 39405

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700943094H1

<400> 39405

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cgaattgccc tctcttcttc actcgaagct caaacaagca cgctttccgt ttccgtcgtt 120
ctcgttcaa aaccctacct tccgtcctgt tatctgcaga gcctccgagt caccaccgt 180
tccacctaag aagcgttcta ctaacaacag aaacgctaaa aacaacagca aaaagaacag 240
taagagtaac tctgtcactg ttgattc 267

<210> 39406

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 700943096H1

<400> 39406

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cgatgtgggt ttgtccaatt tgcagacagg agctgtgctg aagaggccct tcgggtggtg 120
aatgggacgc tgttgggtgg aaaaaatgtg cgtctttcat ggggtcgcag tccttcaaac 180
aaacaggctc aggcagatcc aaaccagtgg aatggtgctg ctggtgctgg ttctggtggt 240

ggatattatg ggtatgctgc tcaagggtat gaaaa

275

<210> 39407
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943101H1

<400> 39407

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 caattggata acggacaaga aattgccgtg aaaagacttt caaaagcatc tggacaagga 120
 ttggaagaat ttatgaatga agttgttgtg atttctaaac ttcaacatcg caatctagt 180
 agacttcttg gttgttgtat agaacgagat gaacaaatgt tggatatga gtttatgcca 240
 aataaaagtt tggattcat 259

<210> 39408
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943102H1

<400> 39408

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 agcctctgtt ggaaatgcga tgctaagggt cacagtgcga acttctctgt caccaaact 120
 cccaggattc ttctctgcca tgtttgtcaa tcactaacag cgtggcacgg caaaggacce 180
 aagtttgtac ccacaatgtc agtttgcaac acttgtgtca acaacaatag tactgagact 240
 ggaaccaaca gaatcat 257

<210> 39409
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943103H1

<400> 39409

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atccctacag gctcaacctc ttcaggttgg tttggaggac aatatatgta atgttgagca 120
 ctgtaatatc aatgctcttc ccattcttca atgacatagg tggacttctt ggagcatttg 180
 gatTTTggcc cttacagtgt atttcccagt ggagatgtac attattcaaa agagaatacc 240
 aaagtggagc aca 253

<210> 39410
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943104H1

<400> 39410

attaagcaac acacacttca atttatcagc atggcctccg ttcagtgcc aaaaacctgc 60
 aaagtgagct gccaacagga aaaccagcac gcctcgtttg ggcagaaagt ttctgacttg 120
 ttcaaagggc atcaacataa tgaccacagc tccaattatg ccacccaaac caaagtgcct 180
 tcccagtcag ggtcaggggt aggcccttc accaccaaaa ctcaaacaca atgcgggttg 240
 ccccaaacac atct 254

<210> 39411
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943106H1

<400> 39411

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 tgcttgctgg tccttactta tacgcggatg atctgattga agtcttgaag aaaaagcatg 120
 cttctggaac atataaaaac ctagtatttt atctggaggc atgtgaatct gggagtatct 180
 ttgaaggctt tttcctgaag atatcaatat ttatgcaacc actgcttcca atgcagaaga 240
 aagtagttgg g 251

<210> 39412
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943107H1

<400> 39412

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tggaatgccc cccgctgtta ctaatgtga taggcataca ggaggggaag aaggtagacc 120
tctgtctttg gtttcagtgg attcctcgag gcgcagaatg tcagggccca ttttaaatac 180
tttatcaagt gccaatgcct tgggtcagtc aagtggatca tctaggaggg ttgctgtctc 240
tagtagccgt 250

<210> 39413

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700943109H1

<400> 39413

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tctacgccga gttccgggca gaagaatgga tcaggagggtt gttttcttag tggaaggaaa 120
ttgaggggtga aaaaggagag agcagcaatt ggaggacgat cgatgggcac tacagtgtgc 180
gcagttgctg agcctgacag acctctatgg ttcccaggca gcacccctcc tccatggctt 240
gatggcactc ta 252

<210> 39414

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700943112H1

<400> 39414

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agccaaattc tccgatgcgc aatactatct ccaaaccctc gcttggtacc attcaccaca 120
acaatttcca tatgttttaa ctctcgccct tcacatcaac cctctcattc tctacgttct 180
tgtgtcatta ttagcatggc ttcttaatc cagggttaa cgggaaaaat catcattttg 240
agtgactcg 249

0953113.032200

<210> 39415
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700943114H1

<400> 39415

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ggatcctcta ccgccgcgcc ctcaaagaca ctctcaactg ggccgtacat cgccacctct 120
tctacgacga cgcttcaaac ctccgcgaaa ggttcgagga gaacagacac gtggaagacc 180
ctgataccat tgacaggctc ataacggatg ctgaagcttc ctacaacaag tggcgccatc 240
ccgatcccta 250

<210> 39416
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700943115H1

<400> 39416

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tgatagcagt tgtaggaggt cttctagggt ggatcacaat agagatcgca tgtaaactt 120
gtcttgaaaa gggtcgcgaa gcatcgatcg aagtctcgat ccagattacg atcccgcgca 180
caccgcattc gcgccccact caacccacc gccgcctccg ccaccgtcaa agccgtttga 240
gaaattgat 249

<210> 39417
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700943078H1

<400> 39417

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tttctgctct tcttctacct ttcaagtttt aaaagtataa agatggcaga gacattccta 120

tttacctcag agtcggtgaa cgagggacac cctgacaagc tctgcgacca aatctccgat 180
 gctgtcctcg acgcttgccct cgagcaggac ccagacagca aagttgcctg cgaaacatgc 240
 accaaaaacca acttggtcat ggtcttc 267

<210> 39418
 <211> 274
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943042H1
 <400> 39418

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 gaattggggc caatagattg ggtaggttct gggtttttaca aaacctgtgg ggatttcagg 120
 actggcaagc atgaaataac tgaatcgta aattcctttt cacacaaggc aaggctcgaca 180
 aaaggcacca cgggagttgt tcgcatcttt cctaggaagg gggaagtctg ggctctctat 240
 agaaactggc ctctgattg gaatgaaata actc 274

<210> 39419
 <211> 272
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943043H1
 <400> 39419

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 cccgctttgg ggaattactc ggatgctgca ttgcagtttc ctgtgatgcc cacatgcaaa 120
 gctaccatgg atttgtctgc tactgctaca tctgcctcac ccgtctttgt tgctgctcca 180
 gcagagaaaag gccattttct tttagacttt ctcatgggag gtgttttcagc agctgtctcc 240
 aaaactgctg ctgctcccat tgaacgtgtt aa 272

<210> 39420
 <211> 272
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943044H1

<400> 39420

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 cgtgcaatcc ttctttcaag ctgcgattt cctcttctgg aattctcaag gtagtttttag 120
 ccttaggttc caagttccaa gttgaggggt gaatttgaaa cactaaattg gtgcattcaa 180
 ctatacaaca cagaataaca attcctccac tcctttactt tccaaattga aggatatgct 240
 gagtattgga caacacgata tgatttcctt ct 272

<210> 39421

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700943045H1

<400> 39421

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 aagagaatga agttatatgc agagtctctt gcacgctttc aaggagggtc accttacata 120
 tatectttgt atggtttagg agagcttccc caggcatttg cacggcttag tgctgtttat 180
 ggtgggacat atatgttgaa taagcctgag tgcaaggtag aatttgatga ggaaggaaag 240
 gttgttggtg tcacatctga agggga 266

<210> 39422

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 700943049H1

<400> 39422

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 tgtctctggt ggcgaacgag gatttccagc acattctgcg tgtgctgaac accaacgtgg 120
 atgggaagca gaagataatg ttcgctatga cctccatcaa gggatttgga aggagattcg 180
 ccaacatcgc ttgcaagaag gccgatgttg acatgaacaa aagggtggt gagttgagtg 240
 ctgcagagtt ggatagtgtg atgactgtgg tggcgaa 277

<210> 39423

<211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943051H1

<400> 39423

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 acagccgccc ttgccggcgg tttatatgcc attctttcat cctcaacctc tgctagctct 180
 gagatggaag tgccgtttgg cagcgcacgg cgtgagagca aagaacgtga cgatgggtggc 240
 tccgggtctc atcctcgcga gggtgccacc acggt 275

<210> 39424
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943052H1

<400> 39424

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 tgtcttcaac gccgtcgttg gcggcacccg ttccggcttg ggctcgttcc tcttgagcgc 180
 tctctccgtt gactacggga aaaagtcaaa gtcggtttc accgtttatc cttegcctca 240
 ggtttcgacc tcggtggtgg aaccctataa cagcg 275

<210> 39425
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943054H1

<400> 39425

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 tgtggtcggt gctagcaatc aacatggccc tgccaacctc cgcaaccgtc tacaccgtgg 120
 gagatacttc aggttgggca attggtactg attatagcac ttggactggc gacaagatct 180

gctccttctt ctctaaacac tcctctatga ctacctttcc ctccccctct tcaccatctt 60
 cttcttcttc aattccttct ccaagatcta gcatgtttta ctatgctgga agtgaagatc 120
 actctgagga gcctcacttc ctccaagctt gttttctttg cagaaaacca ctcggccaaa 180
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 aacaaataga gattgatgag tcaaaggaga aa 272

<210> 39429
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943060H1

<400> 39429

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 tgaccagcaa aggaatggct gccatgcttg acaaatacaa gagctatgat tttggtagat 120
 gcccaagagt ttactgctct ggacagccct gccttcagtg tggtaaatcg gacattccta 180
 ggtcaagtac tgtgaaaata tactgcccta ggtgtgaaga tctttactat ccgcgttcca 240
 agtatcaagg caacattgat ggagctt 267

<210> 39430
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943061H1

<400> 39430

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 aagatcggcg atggctgcct ccaaggatcg cgagaagctt cgtctacatc gccaaagctcg 120
 ccgaacaggc cgagcgatac gaagagatgg tggaatcaat gaagaacggt gcgaatctcg 180
 acgttgaact gactgtggag gagcggaatt tactttctgt tgggtacaag aatgtgattg 240
 gtgctcggag acatcgtgga ggatcctgt 269

<210> 39431
 <211> 257
 <212> DNA

<213> Glycine max

<223> Clone ID: 700943063H1

<400> 39431

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tttcttctct tcatgtggaa gcgcaaggct gaggcaattg gtttcagttt tgaggagaag 180
aagacaccac accatggaag ggagagtgtt gttgctattg caccaacccc tatgcacaag 240
gatgtggaaa ctattgt 257

<210> 39432

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 700943065H1

<400> 39432

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tggtgtattc atcggaggac ttaaagtcca tggataagct cattgaactc tttgaatcat 180
ggatatcaag acatggcaag atttaccaaa gcattgagga gaagctgcat aggttcgaga 240
ttttcaagga caacctaaag cacatagatg agagaaac 278

<210> 39433

<211> 189

<212> DNA

<213> Glycine max

<223> Clone ID: 700943067H1

<400> 39433

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tgagtgaatg agtgagtgag agagaaacaa aaaacaagtg gtctaattggc agattcagaa 120
aagtacaaca agaaaccctc ttcattcatct ttcttcagtt ctccgaggtt gttcaccaat 180
ttcactccg 189

<210> 39434
 <211> 274
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700943068H1

 <400> 39434

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 cgagagaaag ccatgccaga gacgaagatt tttggcatgc tgtttggcca aacactccca 120
 ttccaagtgc attgcgagat cttctaaagc ctggccctgc aagtgttgaa atcgatgac 180
 accctatgca aattgaagaa acacagtacc cgaaaacctt cttctataaa gaagaccttc 240
 atccaggcaa aacaatgaaa gtacaattca gcaa 274

<210> 39435
 <211> 271
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700943069H1

 <400> 39435

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 gcgtggacac gtgttcgagg aaatgcagag gccagggtacc ccactataca acatcaaggc 120
 atacctccct gtcacgagat cctttggttt ctcgagcaca ttgagggctg caacatcagg 180
 ccaggccttc ccacaatgtg tgtttgatca ctgggacatg atgtcttctg acccattgga 240
 ggctggatca caagctgcac agcttgtcac t 271

<210> 39436
 <211> 86
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700943071H1

 <400> 39436

 gtaagtagga gttaatgact ttacctaça cacgggtacat gctaggggaa acctatagtg 60
 acagacaatt agccgtcatt atatgg 86

<210> 39437
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943072H1

<400> 39437

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 tcacttgaaa tgatttagtt gttactccat tcttgacatt ttttcaaggt tttgctacca 120
 gcagtgcagc agcctagaca ctgataaatt cagaagacat cctttcattc catcgaataa 180
 taatttcact acatttcaaa atcactgtga ttttgttctg gtggcacagg cttaccctca 240
 tatattgtct caagattgat agctagatct tc 272

<210> 39438
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943073H1

<400> 39438

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 ggagtattga tcagtgttcc agaccttgag aaggagtaat agagagtgga tcattctgctt 120
 ctgctgtcta ttccaattta aagcctgata tttcaatgtc agatggagaa atatgcttgg 180
 acaagctatc aatcagagaa ctgcatgaac tgtttaaggt aacatttggg cgggaaacca 240
 ctgttaaaga caaacagtgg ctgaaaag 268

<210> 39439
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943075H1

<400> 39439

cgttatctga agatgatgca tttgcctttc tgaagggtga caactatgct gattctgtga 60
 catatttttag cttctccgaa gcacttcggc aggtgaagtt aattggtgtg ccttatggac 120

tacgttttca acagttgcaa gatctatgga atcaagcaga tgctgatgga aatgggtgtca 180
tagactttga agaattcaag cagaaaatat ggaattctac atgtccagag catgtgttgg 240
aaaatctgaa tggttgcacg gaagattgt 269

<210> 39440
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700943077H1

<400> 39440

ggctcgagcc gaatcggctc gactgggatt tggactgaat gaaaatataa agaaagagaa 60
gagagaaata attttccggg aaaattcaag ttccaatcgg aaccggaaat gaataggggtt 120
tggtttctac tattccttct gctgatctcg aaatgcgac atgtgtggag ctcttacgcg 180
ggttccgcta gtcctgcat caacccttcc aaggccaac agatttctg gaagccaaga 240
gctttcgttt atgaaggttt cctcacgga 269

<210> 39441
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700943041H1

<400> 39441

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ttgctacaca tatgctcggg gcacccgatc tgtttcaatt gtgcctcctg catactatgc 120
tcaccttgct gattccgtg caagggttta catggaaccc gagacttcgg atagtggctc 180
tatgacaagt ggtgctgttg caggccgtgg gatgggtggc ggcggtggtg gtggtgtagg 240
gcgtacaccc gggcacctgg tgctaattgt gc 272

<210> 39442
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 700943005H1

<400> 39442

gtatccttgc gtccatctca acatgtttgt cccagaaaaa gatctgagtt cagccattta 60
 gtgctgctgt cctcttctgc aaaggactaa ccagggtccgg cgggatattt ggtggtgctg 120
 ctgtttttgt aattctttga ttttgtaaag ttacttgttt tatgtcagat gccatccttc 180
 ttcggtggcg ggtgtactat agtcctaaat aggtctcaaa tttctttagaa atctttgtgg 240
 gagggaggga tgtcatcaag tcgttttttag ttgaccggt 279

<210> 39443

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 700943006H1

<400> 39443

gtatgaggca atctacagct tctactttgg ggactacggt cacatttcag tgcagggttc 60
 atacctgacc tatgaggaca cttatcttgc tgtgactggt ggatctggca tctttgaagg 120
 ggcttatggt cagggtcaagc tgcatacaat tgtgttcccc tttaaactat tctacacatt 180
 ttatcttaag ggcatacaag acttgcttca ggagcttctt tcccagcctg ttgagcccag 240
 cccagctatt gagcccagcc catctgccaa ggctgtgaa c 281

<210> 39444

<211> 282

<212> DNA

<213> Glycine max

<223> Clone ID: 700943007H1

<400> 39444

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 tctttcggat ggagcccatg gacatcgttg ggaaggccaa ggaagacgct tctcttctta 120
 aagcgacaat gacgaaaatt attaaagaga tgttgcccc ggacgtgctg gtcgccagag 180
 atgcacagga tttattgatc gagtgttgtg tcgagtttat aaaccttgct tcgtcagagt 240
 ccaatgaagt ctgtaacaaa gaagaaagaa ggacgattgc ac 282

<210> 39445

<211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943008H1

<400> 39445

cttgattccg ctctgccacg actgagaaaa tagcgacgcg gaaacacgct cgatcatcacg 60
 atcctgccat ccagcgcggc gtgtccagcg attccgctct ccgatgagtc tgcgcaggtt 120
 gaagaatcgc gaggccagct gccgggtgaag aatcgcgcgga tttgtctgga agtcgcgatt 180
 catccccgat acagagattc aaccacgatt caggaacaaa aacgagacaa cctcctattc 240
 gtatcggtag cagctggaat cgtatcgaat cgtgtgaata cg 282

<210> 39446
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943009H1

<400> 39446

gcagaaggaa aaagtgactg cagagaggta tcgaaaaaag taactcggaa atagtttcac 60
 tctgatcaaa atcaaactga ggtagtggtc aattttctctc atcgctataa tagatcatcg 120
 aattacagat ctttgaagat tccatttagt gtcgaataac aacggaatca aatcaaataca 180
 aatcaaataca atctcgattg gaatttttagg aatcgaggaa ggaattaggg ttagggtaag 240
 gattgagaag gcatatagga gaagaagtag tagaagaaga a 281

<210> 39447
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943014H1

<400> 39447

ctcgtgtgac aacatcaaat aatgggaaaa gggaacatgg aactcgagac aaacaaggtc 60
 tatgactacg aggatgcacg aggggacgtt gaagtcccag ataccgctca tcagataagc 120
 actgattcat ggtttcaagt ggcttttatc ctcacaaccg gaatcaacag tgcctttggtt 180

cttgatatac cagggaccgt catggttccc ctgggttga tcgggggtgt gattggtcta 240
attcttgcta ccatggtgtc actctatgca aatgct 276

<210> 39448
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 700943015H1

<400> 39448

aattaacgaa tgcagagttt tcaattggag aagcggactg ggaacaagtg ttacatgctt 60
tccgctagag atctgagcat tatatggggt gacactactc attattggga gtggacaacc 120
ctaccagagt ccaggttcga agaagttgct aggcttcgag ctgtgtgttg gtttgacatt 180
actgggagga tgaacacccg cgttttgtcg ccaaatacta attatgcagc ttttcttggtg 240
ttcaagatga tcgatgccgg tggatttcac tacgat 276

<210> 39449
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 700943016H1

<400> 39449

ccgagggcat gcccggaac cgctactacg gcggcaacga attcatcgac cagatcgaaa 60
acctctgccg ctacgcgcc ctccaggcct tccacctoga cgcccaatgc tggggcgta 120
atgtgcagcc ctactcggc tcccctgcca acttcgcgc ctacaccgcc gtctcaacc 180
cccacgaccg catcatgggg ctggatctcc cctccggcgg ccacctcacc cagggtact 240
acacctccgg cggaagaag atctccgcca cctccattta ctt 283

<210> 39450
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 700943019H1

<400> 39450

gaactctgtc ccagccatta cttttctcat ggcagtcata ctcaggatag agcaagtgag 60
 gctgaacaga aaggatggga tagcgaaggt ggcgggaacg atattctgtg tggctggggc 120
 gacggtgatt acactataca agggccaac aatatatagc ccaagtccac ctctacagag 180
 tgagagctca gtagtagttg agtttgggac actctcatca ctgggagatg caaaggggaa 240
 gaactggacg cgtgggtgcc tctacctcat agggcattg 279

<210> 39451
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943020H1

<400> 39451

cagaattttc gcagtccaag aggacacgca tcccaaaccg ttttgatttg gaacgtgtca 60
 cgctctaaat ttacatggca tattgtcttt aactgagtca atttcgctta ataaaacctc 120
 tcttcactcc tctgcttttag caacccaacc ccctgttcct gtgtgtgtga gtgaccgagt 180
 gagtttgttt ttctcagctg atatatatgg cgcttgatcg ctccattatg agcaaaacga 240
 cgtggtacag cgtcgtatta tggatgatgg tgggtgctgg 279

<210> 39452
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943022H1

<400> 39452

gcgagacgtg ctttcttttt ccattctttt cgttacggca ctcaacattt tacactcttt 60
 tcttcttctc gttgttgctt cgttgttgaa tcatggatca gaaggatgat ttcagcgctc 120
 cccattccat gggaccact atcatcggcg ttacttaca cggcgggtgtc gttctcggag 180
 ccgactctcg aaccagcacc ggagtgtatg ttgccaaaccg agcatcggac aaaatcactc 240
 agctcactga taatgtatac gtgtgtcgct ctgggt 276

<210> 39453
 <211> 278
 <212> DNA

<213> Glycine max

<223> Clone ID: 700943024H1

<400> 39453

aaaaaagatg cgagtttgtt caagggctgt tgctgtccac cataacttgat gacaatttat 60
 aaaggaaatt catggaggtg gctgcttcag tagtgggcga attcatatgc ggtacctgct 120
 atgtatggtt tgctgatga aattgtctat gtatttgatc agagtggaat aataagtagt 180
 agaaaatgaa tgtaatttat gttatatgtg aactgatgtt tttagttcaa gagtttcac 240
 atctccttta atctcagatc ataaagctta aatgaaaa 278

<210> 39454

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 700943026H1

<400> 39454

cacacaaacc cgtccctcac actctccaaa ccctagcggc actacacact agttctatcg 60
 ctatctcccc aagatgtcga gcgccgatcc cgagcacaga gaagaggagg aggcacccgc 120
 cgttggcgac gacgaggaca ccggagctca cgctcgctcca atcgtcaagc tcgaggaggt 180
 tgctgtcacc accggcgagg aggacgaaga tgcaatcctg gatctcaa at cgaagcttta 240
 ccggttcgac aaggacggga accagtggaa ggagcgt 277

<210> 39455

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700943028H1

<400> 39455

ccattggctg ttctggaaac ctttcaattg caatttttgc aatggattcc ttgcgtcagt 60
 tgtcaatgaa atttctggag cgggaggagt tggctaatta taattttcaa aatgaattta 120
 tgaagccttt cgtcattgtt atgcgcaaga gtagtgctgt tgaaattaga gaacttatca 180
 ttagatgtgt ctctcagatg gttttatctc gtgtcaacaa tgtaaaatca ggatggaaga 240

gcatgttcat ggtattcaca acagcggcat atg

273

<210> 39456
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700943029H1

<400> 39456

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tcagatcctg aagatattgt ggataactgg ggtcttagtc cccgcgggtgc tggttactta 120
tttgggtggca gtgttggttac ttcctttaac cactcaaata acattgacta tatatgtcgt 180
gcacatcagt tggtaatgga aggatataaa tggatgttca ataaccagat agttactgtc 240
tggtcagctc caaattattg ctacagatgt gg 272

<210> 39457
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 700943031H1

<400> 39457

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ggttggattt atgttcttct cctctctcct cttcacatcc ctagcactgc ttttgtctac 120
ttttcttctc ttcattgtgga agcacaaggc tgaaggaatt ggtttcagtt ttgaggagaa 180
gaagacacca caccatggaa gggaaagtgt tgttgctatt gcaccaaccc ctatgcacaa 240
gaatgttgaa actattgtga cacaagcaaa gggaa 275

<210> 39458
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 700943033H1

<400> 39458

caacaaccca ccatagtttt aaggccattt aattgggtct tattgtgttt gtgagtgtgc 60

tataaatcct tcgtggtttt tggtagacct ttgggttcta tagtgagtgc aaggtaaccc 120
actttggatt ggaaggttgt cgcaatgggg aaggttgtgt tgttgtttct ttgcatggtg 180
ttggtggtgg tgtctttggc ttgtgctgat tcaattgaga agcttgaggt tcagaagcac 240
ttgaagaact tgaatagacc tcctgtagg tccatcaaga gtc 283

<210> 39459
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 700943034H1

<400> 39459

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ggccacgtca agttcattcg atgctccaac tgcggcaaat gctgccctaa ggacaaggct 120
atcaagaggt ttctggtgag gaacattggt gaacaggctg cagtcagaga tgtgcaggag 180
gcttgtgtct acgaacaata cacgcttccg aagctgtatg tgaagatgca gtattgtgtt 240
tcctgtgcta tccactctca tgttgtgagg gttcgatccc 280

<210> 39460
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 700943035H1

<400> 39460

ttgcaatcaa attagttcat tctctttgcg cagttcccta cctctccttt caagatgcag 60
atgttcgtca agaccctcac cggaaagacc atcacccttg aggtggaaag ctctgacacc 120
atcgacaacg tcaaggccaa gatccaggac aaggaaggaa ttcccccgga tcagcaacgt 180
ctcatcttcg ccggaaagca gctcgaggac ggccgtaccc tcgccgacta caacatccag 240
aaggagtcaa ctcttcacct tgtccttcgt ctccgtggtg 280

<210> 39461
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 700943036H1

<400> 39461

gttgctgaga atgttggggc caaaatcggt tcttccagtc aaaatttaga aaacagtgtg 60
 gtatcatcgg actcggggcg ggttgagaaa tcaaaaccca gaagtgggtc catcaacgac 120
 gatcagaagc tgaacaacgg tgtcttcaac caccaagata gagttcctgg cactatgccg 180
 gtgcccaata gcaattataa ctacaatgcc caaatgggtc agatgcacgc aaatgggggtg 240
 aacaatgatg ggtatgggat gaatgggggtc atgag 275

<210> 39462

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 700943037H1

<400> 39462

aatttctctc tctctctctc ctctctctga gttctccttt ctctctcttg agttaccatt 60
 tctcattcat tcataatgca ctaatcataa caacaccgtt cagctcaaca acaaaaaata 120
 aaataaatca taacaccgtt cgttcatcaa tggcgggtcc gctgcattcc tagattgctc 180
 tctttttcac caattttcat tcgttgcggtg tgtatgttcg ctgagtgcgt tagttattac 240
 agcaatggag ttcgagcacc ccaccgcgac gcctctc 277

<210> 39463

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 700943038H1

<400> 39463

cgccaccgcc atacgcggcg ccatcattct cgcaaagctc tctgttattc ctgtgaggag 60
 aggctattgg ggtaacaaga tcggaaagcc ccacaccgtt ccctgcaagg ttaccggaaa 120
 gtgtgggtcc gtcaccgtcc gcatgggtccc cgcccctcgt gggtcgggaa tcgtcgccgc 180
 taggggtccc aagaagggtc tgcatgttcg tggaatcgat gacgtcttca cttcctccag 240
 gggttccacc aaaaccctcg gaaatttcgt caaggc 276

<210> 39464
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943003H1

<400> 39464

agcaaacaag tctccttaca tctgcgccca gtccatattc caattccgtg tgcccattca 60
 cttcatcaga ccgaccacgc ctaaattcca atttcccccc attaggggtt ctctctctcc 120
 aattcatgtt ctctttttct taattcattc tcttctattc gattcgattc ttctatggaa 180
 ccgcagcttc agcccaagct ggagcccgcg ccagagcttg tgagcgctgg cgctgaggat 240
 tccgagaagt cgcattgtcag tgatgtcacg gaggttcg 278

<210> 39465
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942964H1

<400> 39465

gcaggcagt atagcaaaga gaagatcatt tcataatcag actcaccgta cttcgccatg 60
 gctgctgttc cctctacttt cgctctaacc aaatctgcat tgtccataaa caagctggac 120
 cactctctgg tcaagatcaa accatacagc ttctctctga atctaaaccg tctagggagg 180
 atggaaacat ctttaaccag aaggcctcta acaattcaag ccacatatag tgatggtgga 240
 aggccagca gtgc 254

<210> 39466
 <211> 214
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942965H1

<400> 39466

attgtattgg agaaggaatg aatacataca aatgccaaca aaggtttcta ttattacatt 60
 tggggaagaa taaatcaggg aaagagagta atattcaata aaaacctttg ttggcatttg 120

tatgtatttta ttgtattgga gaaggaatga attacttaaa gaatgatata tagttcaaga 180
attggacgag agaaaaagag aaaaaagggg ggcg 214

<210> 39467
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700942968H1

<400> 39467

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acaaagaccc ttgtagagag atccattttg aaagtgcatt cattccgaat ttgatgttgt 120
tggttaaagt tgtcaagttg gacttagttt ccttaccacc aaaaaattca ttagcaagtg 180
taataatcct cctggaataa tttttccatc tgctattagt tttccacca aaaacaaatc 240
aggttcaata tgtgatggaa 260

<210> 39468
<211> 67
<212> DNA
<213> Glycine max

<223> Clone ID: 700942969H1

<400> 39468

cgaaaatctt tgtttctctg ttgttatggc tgtgaattta catcaatgga ttgtatttgg 60
tcttcac 67

<210> 39469
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700942970H1

<400> 39469

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agtggataac acggatatca aacttggttg aattgattac ctatctgttg cttcttatga 120
ttacttgatt ccattctacc ttgtttttct aaaagacagg gagatcattc tcgtggaagg 180

cttgaagctt gatgatgttc cagcaggatt atattcagtc cattgcttac ctcttaggtt 240
 ggctggtgct gagggatcac 260

<210> 39470
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942972H1

<400> 39470

cgcataaaag acacagagac agtgttctta gcgcgcgcgt tgccctacca ttttcatatt 60
 attctattgc ctttctttca cgtttttctg gtttttaagc ctttccagtg ccctattttac 120
 gcttataccc ttctggttat gatagcttcc attcggcgtc accagagagc cgaagctctt 180
 ggcttccaca catactttcg gtcccgtcga ttgagataca aagcctccaa gccagccgag 240
 ccaatcctca aattccaact tta 263

<210> 39471
 <211> 258
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700942973H1

<400> 39471

accttgggaa cttggcggtg ctactggacc tgacttcgcc gcgggttatga ttctggagag 60
 gtaagcgcgt cccgccgat ccgacgtcgt ttcgtgcgcg ncgtcgtcca agagggacta 120
 cccctcctcc tctcctacg cgggtggtggc gcgtcggaat tcgaactcgg agaagaacgg 180
 cgttgatttc gacagtgcgc aggaggagga ggatgctcag tagggggtag ccagctgagt 240
 agggttctta gactgcta 258

<210> 39472
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942974H1

<400> 39472

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 agtcgtttga agttgatgca gttggagcaa gagcttgaac gtgcaatata gcaggggaatg 120
 tatatagtcg gtgggttgga ttctaatacat ctgggctttg ctggatcagt aaattcagga 180
 attacaacct tcgagatgga ggtatgacat tgggtaaatc actaaagtag tccaatcaga 240
 gctctggggtt atgttt 256

<210> 39473
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942975H1

<400> 39473

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 gcagataatc accctttgca actgcaaaga ggatgtcata agaaagggtcc atgctgtaat 120
 tgataagttt gctgagcgtg gacttcggtc ttaggtgtc gcaagacagg aagtacctga 180
 gaagtcggaa gatagtcccg gtggaccatg gcaattgggt gggtctctac gattgtttga 240
 tcctcccagg 250

<210> 39474
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942976H1

<400> 39474

ctattactca gcagctgcgc cttatggaga aagggtgtga tatattgggt gcaactcctg 60
 ggcgttttgt ggatattatt gaaagagaaa gggtttcggt gacaaagata aagtatcttg 120
 ctttgatga ggctgatcgt atgttggaac tgggttttga acaccaaata cgcaagattg 180
 tggagcaaat gcagatgccc tcgccaggta ttaggcaaac attgttaggt taaagccacg 240
 tttcctaata atatac 256

<210> 39475
 <211> 257

<212> DNA
<213> Glycine max

<223> Clone ID: 700942977H1

<400> 39475

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tggttcctttg tgattgattg gcttgccaat cttggagaag gctgtgctat gttaaaaatt 120
caatagtacg atatgaagtg tgcattgacac caatcaggta gactacttca ctgatctggg 180
ataccacatg tgggtcttggtg acatgccatg gtatttgcatt ggtctatgtg tatagtgaaa 240
gttgaaacat ttgttgc 257

<210> 39476
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700942980H1

<400> 39476

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aatgataatg attaatgagc ttgtttacta atttggtgtg tcaaggacat gctttatgat 120
ttgttaaatt gcatttggtg ttaatacctt gtatgttttt tgtaagagga attctcagcc 180
aattttaaca aaagatgcag gaatccccag agccaagaca tgaatttttg ggtggccaac 240
gagtacatgc atct 254

<210> 39477
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700942981H1

<400> 39477

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tacagaagat cacaatcctg gtggaaatcc gaccttggtg gtttttaata atcccagtg 120
agatgatttt gggatgcccc ccctctggcc attgcaatct ggaactccgg cagtctcagg 180
attccaatta ttcagttctg aagtggagga tgtttcagat gcattgattg atttgcattca 240

tggcaatatt aattggt

257

<210> 39478
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942982H1

<400> 39478

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 tccattcggg ttcggggaat gagaccagtg gcattggtga agttgggtgg agtgatagta 180
 agcacaaggg aaatgggcca ttgtggatgg gaggtgtttc ctgagtcctgg tggaagggtt 240
 gctgatgttc gag 253

<210> 39479
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942986H1

<400> 39479

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 aatggcaatc ttgggagctg aactggtgag gtcaaagcc tggagcaggg aatagattaa 120
 taagctctca gcatctctct tctcattctg gcccctttaa atctgtttga aaatgactag 180
 tttttgttaa tgttatttat ctgattgttt attaaaacaa caatatacgt gtatagagca 240
 tagccctatc gtg 253

<210> 39480
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942988H1

<400> 39480

cgctaaatta ctttctttcc attttccttc gttttctctc tctttctcag tttctcagtt 60

tctcagtcac caccatcgca gcagcaagat gtggaaccaa ccattcggaa aaaccgattt 120
 ggaaagcggg tctcggcctc tgtatccgat gatgctcgag agccctgaac tgcggtgggc 180
 gttcatcaga aaagtgtact ccataatcgc catccagttg ctcgtaacca tcgtcgtcgg 240
 cgccgtcgtc gtcaccg 257

<210> 39481
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942989H1

<400> 39481
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 ttggccaaac actcccatc ccaactgcact gcgagagctt ctaaagcctc tccctgcagg 180
 tgttgaaatc gatgaactcc ctaagcaaatt tgatgatata cagtacccaa aaacattctt 240
 ctataaagaa gaccttca 258

<210> 39482
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942990H1

<400> 39482
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 tctcttcact tactactact ttcttctttt tttctccacc tgaagtagtt ctccacaact 180
 tggaagggtga tcatctccaa ttttccatca tggctactga gacttctgca tctgatcatg 240
 gctctatt 248

<210> 39483
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942992H1

<400> 39483

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gcatataaag ctgcccgaga ggaacatgaa cacactaatg agttggatga aggggataag 120
gtgtcatcag cactcattgg gagagttgat gctatgcttc aaaatcttga gaaggaaata 180
gatgacgtcg atgcaaaaat tggtagccgt tggaggctgc tggacagaga ttatgatggg 240
aaagtaactc ctgagggg 257

<210> 39484

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700942994H1

<400> 39484

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aagttttgtt gccatggaag cagagttgga taccgagcag cagcagcaaa tgacggaagg 120
aagctattcc caaactatgc aaattgatcc aaaaagggtc cgatttccat gtcctgttgt 180
gtggtcacca cttcctgtaa tctcgtgggt cattccttgc attggtcaca ttggcatctg 240
cagagaggat gggg 254

<210> 39485

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700942995H1

<400> 39485

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agtccttgat gggattcagg atcctggtaa tcttggtaca ttgctcagat cagccgtggc 120
cttcagatgg gatggagttt tcttctccc cggctgctgt gatccattca atgagaaagc 180
tcttcgggct agccgggggtg cctcggttca gtcctctgtt gtttctggca gttggaatca 240
cctggagt 248

<210> 39486
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942996H1

<400> 39486

agaaaaatgc gcttaaactc gaatgtttta tagcaaaaaa aaaaaaaaaa agtagttaaa 60
 attgaacccc acaagcggaa aaagagaaaa aaaaatttgg gtatcagatt cagaagccca 120
 cgcgaaactg gggggccttg gactaaacgg cggggaggtt ctcccagcgg aagggtctca 180
 ggtcttcgga aacggggcaa taccggcgga gcgtgacctt gtcgttggag gcggccacgg 240
 agccaaactc ga 252

<210> 39487
 <211> 291
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943001H1

<400> 39487

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 aggagatgga gaaagtgggtg aggcgcatgt gggatgtgta tactcaaagc aagagtggca 120
 ggggaagtgg cttacctcgt ttttggagtg atgcttttca tgcggcttac gaccacttgg 180
 tcagtgatgt tcagagcgtc cgagatgctg ctgtctccga aattgccaaag atatccctcc 240
 attctcttcc tctgcaccac ctcaaatac attccattgt gcagaatatc a 291

<210> 39488
 <211> 289
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943002H1

<400> 39488

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gcagctacac caccacgtcc aatcgcttt tagtggttgc ttctcttcc ctctccagtc 180
 ctgccaaaac caagttcctg ccctcacttt ctagattttc tgtcaagcgt ctctgcttcc 240
 tttcccaaac tcgtccgcac atttccgtga acaagccctc catgaacct 289

<210> 39489
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942963H1
 <400> 39489

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 aggtcttatt ggagtttatt atgattggtg tgaacctttc tcaacatatt ctgcaccta 120
 tgacctgata catgtggcaa gcatggaatc acttgtaaag gatccagcct ctggcagaaa 180
 cagatgtacc cttcttgatt tgatggtgga actcgatcga attttacgcc cagaaggcac 240
 tgttgtggtg agggataccc ct 262

<210> 39490
 <211> 234
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942925H1
 <400> 39490

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 ttcccatcc ttggttgga aggcgtgaa gctgggcca tcagcccccg aagtcgggag 120
 ggtagcatg aggaagaccg tcaccaagca ggcctcctcc ggaagcccat ggtacggctc 180
 agaccgcgtc aagtaacttg gccattctc tggcgagccc ccgtcctacc tgag 234

<210> 39491
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942926H1
 <400> 39491

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 aaaacatggt atgttgttga tgctacagac aaagttcttg gaagactagc atcgacgatt 120
 gctattcaca tccgagggaa aaacttggca acctacacac ccagtgtgga catgggtgcg 180
 tttgtaattg tggtaaattgc agaaaagggt gctgtatctg ggaaaaagag gagcgtaaag 240
 caaacagga ggcac 255

<210> 39492
 <211> 164
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942927H1

<400> 39492
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 tgaccaacaa tggaaagttt gtgcgaacga acaggttcac ttgacagtag ctacaattct 120
 gttactgcca agatcagctc agcttattca gaagacacag atga 164

<210> 39493
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942928H1

<400> 39493
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 cgtggaatac agtttcggtt cgtcacctct gtggcacagc actataaata atcctcaagt 120
 ttctacactt tacctctccc aggaggaaca gcgcagaacc taaccctcac gaaagccctt 180
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 ggtggattga attggcatct gatttttttt 270

<210> 39494
 <211> 189
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942929H1

<400> 39494

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 gaaaaccccc atttcttttc ttctttcttc ttctctttcg cttcttcgat cttcgatctt 120
 cgtcgtctgag aatgagagag tgcattgcaa tccacatcgg ccaggccggg attcaggttg 180
 gaaacgcct 189

<210> 39495

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700942931H1

<400> 39495

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 agcggcaggt attgctggag gcaactggagt catgccggga ggtaatgttg gggctgatca 120
 cgctgtgttt gaacaagggtg cttcagcagg aaatgttggc aatgataaag tagtagaaca 180
 acagaaagcg aaccagtggt cactccttct ctcgtcggcc atgatgctta gacatctcca 240
 gtttcttgca tttgctgacc gatt 264

<210> 39496

<211> 88

<212> DNA

<213> Glycine max

<223> Clone ID: 700942933H1

<400> 39496

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 gggtttgaga tttcagcact gattggga 88

<210> 39497

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700942934H1

<400> 39497

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 ttgaatgggtg cagagattgt tttcaaccct tctgccactg ttggtgaact aagtgaacca 120
 atgtggccaa tagaggcacg taatgctgca atagctaata gttactttgt tgcttcaatc 180
 aaccgtgttg gaactgagac attccccaat caatttactt ctggcgatgg aaagccggca 240
 catgcagatt tcgggcactt ctatgga 267

<210> 39498
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942937H1

<400> 39498

ctaaaacgcc gcaagatgtg gccaaagtcca tcaaggagag tctcatggcc ctcgatacca 60
 aaaccgttgt tgaagttaaa gcccttgaga aggctttaga ggaagttgaa aagaattttg 120
 taacaatgag aaccatgctt tctggagacg gagagtcaga accaaatttg gaccaggttt 180
 cacagttagt ggaggaaatc tgcaaggagg atgttctcac tcttctaatt cacaagctgc 240
 ctatactagg atgggaagca 260

<210> 39499
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942938H1

<400> 39499

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 aaagtgcaaa tttctaattct ttcacgtatt gggttcttct ctgttccctc ttcgtctccg 120
 atcgatccaa ttctcttccc atggcgacga tcggacacaa caatctcaat gccaaagttgg 180
 ttcttctcgg ggacatgggt gctgggaaat ccagcctcgt tttgcgcttt 230

<210> 39500
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942939H1

<400> 39500

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gtgtgcaaat cggaagtgtg aaatttatcg gtccaacctg ctttccggtt tgaaagctgt 120
tgaggatcac aagctagagt tatcagttaa ggtggaaaac atcaagataa gcatgaaaga 180
tggcattctaa agactatgga gaattaacat tgaaactgat aggaaaacaa attctatttt 240
ggcaatccag tcgcatca ataatgatcc c 271

<210> 39501

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700942940H1

<400> 39501

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cgtctcttcc tcttctcttt cgatccatcc ctcatctcta atcctccaat ccaaccacct 120
cagcctcaca ctcacatata cacatatctg aacgcgtatc gtccctccta tggcttcaaa 180
gcgcatectc aaggagctca aggacttgca gaaagaccca ccaacttctt gcagcgctgg 240
tccagtagct gaggacatgt tccattggca 270

<210> 39502

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700942942H1

<400> 39502

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ccccacctt ctctccgtgg aagcggttcg ctgtaaaca caacaacaag gagagtgaca 120
acggcgatgt tttgactggg ttggatgaag tggagaaaga ggcgcgtgga aatagcacca 180
tgcccgaacg ctttaggtac ctgcctaaag aagttccgag tcttctgtt aggtggccat 240
ggcttgtggg actggctttt ctggtctatt 270

<210> 39503
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942946H1

<400> 39503

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 agtcaagttc aagagaagaa gagagggaaa aaccgattac cgtgccagga ttcggttgat 120
 taatcaggac aagaacaaat ataacactcc gaaataccga tttgtgggtc gctttagcaa 180
 caaggacatt gttgcacaaa taatatctgc tagcattgcc ggcgatttag ttcttgctac 240
 agcatattca catgagctgc cacgatat 268

<210> 39504
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942947H1

<400> 39504

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 acctcccccac ttctttctctc ttgccatct tcccactcca attcacagat ggaaccttcc 180
 caatctgccc accaataaccg agctgtggat caagcgagac gacctttccg gaatgcagct 240
 gagtggtaac agagtgagga aattgg 266

<210> 39505
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942948H1

<400> 39505

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 cggagtccga tctcgattac gagcttcgct atctcagtct cgccgtaacc gataccttca 120

ctgctttcca aaacctctta cgggatgcga tgacttcctt ttcagcttgt ggactaatag 180
 accctctttg ttctcaaaac ctcactccca agcattccac catcactgca accattgatt 240
 ctcagtcatc gatttgcgcc actagta 267

<210> 39506
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942951H1
 <400> 39506

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 ggtctgccgg tggcggcgac ggtgaactgc gccgacaata cgggggcgaa gaacctctac 120
 atcatatcgg tgaaagggat caaagggcgt ttgaaccgtc tcccctcggc ttgcgttggc 180
 gacatggtga tggccaccgt gaagaagggg aaacccgata tgaggaagaa ggttttgcca 240
 gctgtcattg ttgcgcagcg caacca 266

<210> 39507
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942952H1
 <400> 39507

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 gtatatttat catacggaac tcatcgatgg tgtgaagttt gctgctcccg atgattggag 120
 ttccattgca atcgaaagtg attccaaaaa ggtaggtaac attaatagaa atgtaacaga 180
 ttgggtctgaa ctaggtgtta tttatgaggg cataagatta gcagtcattg tttgatgaat 240
 gtattttcaa ctttgttcct aggaa 265

<210> 39508
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942953H1

<400> 39508

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 ctaaggggag caaggggtat catcatcaac agcattctca ttctcatcat caccatcacc 120
 accatcagcc tcattatcag aggaaggaga agaacaagta ttcctccggt ggtgggtggac 180
 catcacatgg aagtgggtcat ttgatggcgc cctcgggctc tgctgtgggg ggtttcaacc 240
 ctggtgtgcc ggcccagggg ttga 264

<210> 39509

<211> 149

<212> DNA

<213> Glycine max

<223> Clone ID: 700942954H1

<400> 39509

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 ttgaatctat aggacttgaa aacactttaa cccctgggag tgagaatctg catcatcgaa 120
 ttttacaatc acaagccaca atcctcgga 149

<210> 39510

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700942956H1

<400> 39510

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 tgggttcaat tgaatcaaca tgagcaacag aaaagataat actgatgatg agtctagtga 120
 aagaggtata ttttcacatc taggctatcc aagtgcacca ccctaccctc ctccacatgg 180
 ataccaccca tcaggctatc cacctccagg aggggtatccc ccaacagcct atccaccaac 240
 agcatatccg cctcccggag tata 264

<210> 39511

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700942957H1

<400> 39511

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 ccgcaattcc gccatcaatg acctcgccct ccacccctcc ggcgagcggg ccctcactgt 120
 cggccgcgac gagtgcctcg ccgtgggtgaa cctcgtccgg gggcgccgga actgctgcct 180
 gcgcctaggc aaggaggcga gtctgggtcaa gtttgatgcc tctggggatc agttcttcat 240
 ggcggtgaag gagaaggtct ccgt 264

<210> 39512

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700942959H1

<400> 39512

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 tgtatttgat ctcaagaatc tgagtgggcc tgtttctgca actctttact tgggatattc 120
 cctcttcatg gttctagcaa tcatgttggc tacaggcaca gttgggttcc tttcctcatt 180
 ctggttcgtg tattacttgt tctcttcagt caagttggat tgaagactct tcacagttaa 240
 aaaaattagc tctacagaga aca 263

<210> 39513

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700942961H1

<400> 39513

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 gggccctcag caccaaagcc tagacaaaaa tgcattaaca atctggcttg atagaacctc 120
 aggaagtgga ttcaagtcag taaggccatt tcgatccggg tactttgggtg cttccattaa 180
 ggttcaacct ggatacactg caggtgttat aacagctttc tatctctcaa acaatgaagc 240
 acatcccggg ttccatgatg aagt 264

002200"ETTES0

<210> 39514
<211> 269
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700942962H1

<400> 39514

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tagaggggtg aagatgttaa tgttgataag ttttttgctg gtttagttgg aaataagtga 180
gcactgagtg gtggcagtgg gaaggttggt gagagtgggt atgatgatga tatatttgta 240
tagtatactg acgatggagg tgggtggggt 269

<210> 39515
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700942924H1

<400> 39515

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ggccgctgcc aagaagaagt gattgcattt gggcaatttt gctagcacat gtgatcatca 120
tcgtgggttac tcctttatag tagttttatc cttgcagagt cttaggtgtt ttgcttaagt 180
tatatgttta agtttctgcc gatttcatgt agccggaact ttcaaaacta gggctttgat 240
cggcgggtgg 249

<210> 39516
<211> 157
<212> DNA
<213> Glycine max

<223> Clone ID: 700942890H1

<400> 39516

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tcttattcat ctaatgttga tgtctttgac actggcaagt acaccgcaa gctgctaagg 120
gttgaatctg aatcagaatc atatacacac aacaaca 157

<210> 39517
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700942891H1

<400> 39517

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catgttttct tgctattggg atggccatca tactatcttc atggtcagag aatttcgggg 120
atccttcaga gaacaaggac ttgcttacc aatttagggg tgctgctgtg gccattgctt 180
ctgatgaaaa gatagccttg ctgggtgcca tacagtctct ctttgaaggt tcaatgtaca 240
cctttgtgtt tctat 255

<210> 39518
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700942892H1

<400> 39518

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ttctcagaag acaactcaaa aaaaccatgg acgtgggtca gatgcagaga cagtggatcg 120
actacaccaa atccctcttc cttgagggtt tcctggatgg tcagtttctg caacttcagc 180
agcttcaaga tgagaacaac cctgactttg tggtcgaagt tgtctctctc ttctttgaag 240
attctgaaag gcttctca 258

<210> 39519
<211> 139
<212> DNA
<213> Glycine max

<223> Clone ID: 700942893H1

<400> 39519

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 tggctctgat gatcatatat ttgtatacta tactgacat ggaggtcctg gggtgctcgg 180
 gatgcctgct ggtccttact tatacgcgga tgatctgatt gaagtcttga agaaaaagca 240
 tgcttctgga acatataaaa 260

<210> 39523
 <211> 279
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942901H1
 <400> 39523

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 accctgatgc caaggagggtg acgaagcgcg tggacacaga cgatagagag tggagtgggtt 120
 ggaattggag gacggaaggg gacataatgg taaatggagc gttctttgta ccatcgggtg 180
 ctgcggggca gagtggccag taccaagagg ccaccagtgt gcaagccaaa tccgccgtgc 240
 aaattgacca gctcactatg tactccggtg tcttgggtg 279

<210> 39524
 <211> 271
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942902H1
 <400> 39524

ataaggacag cttggaagaa cttgctgac caaggattgg gggaaggtag ccaaaggaag 60
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 ctgcaatggg tgaagtggta caatcactta aaatgggtgca gcgggtcaca gaatctcatg 180
 atcctgtgtt agcgtcatcc aatacacggc ccaacctgag acagtcctct accacttacg 240
 attctgatgg gacatcttca atgttttctt c 271

<210> 39525
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942904H1

<400> 39525

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 tgattaaagg gcatcaaatt aaggcaccaa ttttggtcct caatttggtc cttgtcctaa 120
 tttgttcac agcttcttcc gtcaacgttg ttgaatcaag gaaacttgat gagaccactc 180
 cagtgcctgc cacaaacggt actgaagaaa agtgtggatc atgtggtggt accacttatc 240
 cgtcgccacc gccaccgtta ctaccaccac cgtcgcc 277

<210> 39526

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700942905H1

<400> 39526

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 tcccagcact gcatccctct ccactccttc tcctacacct acaagtcctt cttcctctcc 180
 cccaccttcg actcccaaga tcccgaatct tcttcttcca cccggttcg 229

<210> 39527

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700942906H1

<400> 39527

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 gggtagcttt tcaaagaaga gactcacttc acagtgtcga aaacctctct cttcttcaac 120
 ggtgatggct tcgctgtcta cgattgcaaa ggccaactcg tttccgctt cgactcctac 180
 ggtccccgcg cgcgtgacaa ggacgagctc gttctcatgg atcccatgg ccgttctctt 240
 ctcactctcc gccgaaagaa agcga 265

<210> 39528

<211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942907H1

<400> 39528

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 cgagcatttt gggacaagag gatctcacag gaggtcagcg gagatgcact tggtagaggaa 180
 tttaagggtt atgtcttcaa aattactgga ggttgtgaca aacaaggatt cccgatgaaa 240
 cagggagtgct ttactcctgg tcgtgttcga cttttgctt 279

<210> 39529
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942908H1

<400> 39529

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 ctgcaaaata ttctttgatc tcccacctgt tttaaacct tcttattgtg agggcaaggg 120
 gggtaaattg ttagttgtga ggtagtgat gttgggatgg cacttgcaag gtttaacaaa 180
 tacatgtgaa atcagtagct gcaccagtca tttttatggt tgtttaacta gtctttcttt 240
 gcttaataaa gcttcttaag cgtttttttc cctat 275

<210> 39530
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942910H1

<400> 39530

tgctattaaa gctcaacaag acaaacagat caataatgca ctgttagccg agggtcggtt 60
 ttactctgat ctcgagctca cagaaaagga aattgaacgc atgggtgattg aagtttctcg 120
 agctgagtac cttgcagata gtacatttaa gcaacagctt ggagacagag agtcctctac 180

ctcaaacgca gaaccatcat cttctggagc aaccggttca tctggcactg atcgcaagac 240
ggaacatgcg aaagagcatg gttctgatct tagta 275

<210> 39531
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 700942911H1

<400> 39531

taagctccca agcagtggga ggaagctcgg gactctgacc gcgtgcctgt tgaagaatga 60
gccggcgact cataggcagt ggcttgggta agggaaacca ccggagccgt agcgaaagcg 120
agtcttcaca gggcaattgt cactgcttat ggacccgaac ctgggtgatc tatccatgac 180
caggatgaag cttgggtgaa actaagtgga ggtccgaacc gactgatgtt gaagaatcag 240
cggatgagtt gtggttaggg gtgaaatgcc actcgt 276

<210> 39532
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 700942912H1

<400> 39532

attgatgctt cgcttgggga ttctgatgtg cccaaagata ctgctttgaa gagaagggct 60
agatgtgatt caagtactgc ttctagctct aaagcgtgtc gggagaagtt gcggagggat 120
aggcttaatg acaaatttgt tgaattgggc tccatcttgg agcctggaag gcctcccaa 180
acagacaagg ctgccattct gattgatgct gcccgatgg taacacagct gcgggatgaa 240
gaggctaagt tgagagactc aaatacgagt c 271

<210> 39533
<211> 140
<212> DNA
<213> Glycine max

<223> Clone ID: 700942913H1

<400> 39533

gtccttcgta agcaagtcga tgggtggtct caggggcgga agcaaccttg cttcttgggt 60
 cgtcgccgga accctagctt acttcctctg gatcaaacc tccaagacc tcaagcgtgg 120
 tgagcatgag aaggccgctc 140

<210> 39534
 <211> 272
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942914H1
 <400> 39534

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 atgatgacca ctctgattct gaatccaatc atatccaaca agatttgtcc cacatcacag 120
 agatgaggct cattccctct gatcctactc aattggattc tctctttgca atattctgcc 180
 agtgtgcaga gcttaatcca gaacctaacg atgaggaagg agaaggacat ggttgggttt 240
 ttagtgctga tgagatggga gatggagaag ct 272

<210> 39535
 <211> 240
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942915H1
 <400> 39535

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 ccaaaaggac tctcaatcgc atttgcgcca tttggggctg tttctactat cctctttgcc 120
 acaccacag ctctgctgc ccggaagtac aatgtgttta tggcccaa at aggctgtgct 180
 gcaattggtg ttctggcatt gacaatattt ggacccggat ggctggccag gagtgctagt 240

<210> 39536
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942916H1
 <400> 39536

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 tccagcgggtg gttacttcac cagcctccgg caagacctat ttctcggcg gcgcagggga 120
 gagaggattg acgattgagg ggaagttcat aaagttcaca ggcataggag tatacttga 180
 ggataaggcg gtgccatcac tcgccgctaa gtggaagggt aaaacttcag aggagttagt 240
 tcacaccctc cacttctaca gggat 265

<210> 39537
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942917H1

<400> 39537

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 ctgggaaatc tttgggtgaa aaagcagcag aagatctgag gcaaagaata attgaacata 120
 atattcttgt tgtatcaaaa tactatgcaa gaattacatt gaagagactt gcagagcttt 180
 tgtgcctcag tatacaggat gctgagaagc atctctcaga tatggttgtg tctaaggcgc 240
 tgggtggcaaa gattgatagg ccaatgggga tagtctgttt ccaaa 285

<210> 39538
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942918H1

<400> 39538

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 tgatttgaag attgaaggga taaacgattt gaagattgaa aggatgcagg aactggaagc 120
 agtgacaagt gagatcgta ggttgattga cacagcaaca gtgcctattt tggccgttga 180
 tgttgatggg ctggtcaatg ggtggaacat aaaaattgct gagttgacgg gtcttccaat 240
 tggatgaagc actggaaagc atttactcac ac 272

<210> 39539
 <211> 275
 <212> DNA

<213> Glycine max

<223> Clone ID: 700942921H1

<400> 39539

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 ctcgtatccg tcatgaaagg aggaaagtcc aagaccgaat ctaagatagc cgatcccaaa 120
 cttgctgtga ataagaaggg agccgccacc aaggctagga aaccgcccgg caaggggaag 180
 gcagcgaaag accctaacaa gccaaagagg cctccaagtg ctttcttcgg tttcatggag 240
 gagttcagga aggtattcaa catagaacat cctgt 275

<210> 39540

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700942923H1

<400> 39540

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 accggaaaaga ccatcaccct tgaggtggaa agctctgaca ccatcgacaa cgtcaaggcc 120
 aagatccagg acaaggaagg aattcccccg gatcagcaac gtctcatctt cgccggaaag 180
 cagctcgagg acggccgtac cctcgccgac tacaacatcc agaaggagtc aacccttcac 240
 ctggtcctgc gtctccgggg aggtat 266

<210> 39541

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700942889H1

<400> 39541

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 tatgttgta gagtgagcta caattgtaat ggttctggcg agatggtttc attctgaaga 120
 ttgcgttcca gattttaaca atctgatgat gagaaggcaa tcagcttgta tgactctatc 180
 tgcattatga tacatgttta tcgggtttct taactacgtt taaacattgt agctatatat 240

tgtgagtttt tctg

254

<210> 39542

<211> 99

<212> DNA

<213> Glycine max

<223> Clone ID: 700942843H1

<400> 39542

cagcgtgttc atgggtcaca ctcacacccg caacctaaag aaataagtca gtttcattga 60

gaaggagcaa ttgttgccca aaatgttcgg tgtcccaat 99

<210> 39543

<211> 176

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700942845H1

<400> 39543

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caaattcttg ttttctttct acctcttact ctcttctccc caacaactac tccccctngc 120

tatactcaaa cgggttatca tccataccca acaccacca aaacttaatt gggttt 176

<210> 39544

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700942847H1

<400> 39544

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aatcatggac aacgttgctg gccagctcca tctccgttct ggtgtttctt gtattaggag 120

ttatgaagga gcctactgcc accccacaat gtaccaaacg ccctctgttg ggaattactc 180

gaatgctgca ttgcggcatc ctggtgatgc cctcatgcaa agctactcag ggatttgctg 240

gcggctgcaa caatggcctc cccggt 266

<210> 39545
 <211> 248
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942848H1

 <400> 39545

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 tacttttcct actcatctct cctgagcttg caagtgctgc ccaacctagt cttattcttc 120
 aactcggccg aaaacttttc caatgcgga gcgccgcgt ccctgttcgt ggaaataccc 180
 catccaatgg ccgctcctag aggatatacc ccaccaccaa aacacccact ctatggctga 240
 atatttga 248

<210> 39546
 <211> 159
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942849H1

 <400> 39546

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 atctgggggtt tggcttagtt ggttcaggga aaagaacatc tgtccgttct gttttccatg 120
 aagaggatga taatgaggcc aaaaaaatga ggcaatggg 159

<210> 39547
 <211> 251
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942851H1

 <400> 39547

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 tggatgtgaa gtctccaaga gatgccgtgt tgaagttgat aaggaggatc aatccaaaca 120
 tgttcatcca tggggtgggc aatggcactt acaatgcacc ctttttcctg actcggttta 180
 gggaggcact ctaccacttc tcatcactgt ttgatatgtt tgaagctaat gtgcctcgtg 240
 aagacccgga a 251

<210> 39548
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942852H1

<400> 39548

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 tgaaagtaat ttatgacacg atgccattac agagataggg tgtactgtac cttattcttt 120
 tcggcctgct tggctatgat tcttggtttt ttcgtttag taggggtttt acaagagtac 180
 taggcattgt ttgcctgttg cctctgtctc agacacgcct ttatttatat cgtcatgtgg 240
 ttataacttg cgatttc 257

<210> 39549
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942853H1

<400> 39549

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 tcatatttgg aagtggagtg agtaaacagg actatgtgat tagtgcatac aatgtagtag 120
 taatgtgcat ggtgtaaaga aacagatttg atatgaactt ggtgggggtt ctgtatgcgg 180
 aaatgttggt tagtcagaca gtaacacagt tttgttctgt taaatgattt tttctttagt 240
 tattattcac ttttaact 258

<210> 39550
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942855H1

<400> 39550

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gaaatcactt ccgcttactc gcaaccgttt tatccgaccc gaggccgtac ataaacaagc 180
 tcgagtggac ccggcgggtg gagtctctcg ccacggccca aattcagatc atagctatgc 240
 tgtgtgaaga tgaaga 256

<210> 39551
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942856H1
 <400> 39551

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 ctacggcaaa gattgcctcc ccaggacatc tcccagagcc tcccacacct ccacgcccac 120
 tccctggcct ccaacgcgc cctcgccctc caattaaact cccactccac cacgcgccaa 180
 caggcccaac ttagagaggt gacgttgaag gaagagaatg ctgcgttcga aaatgcaata 240
 tccgattgtg agaataa 257

<210> 39552
 <211> 273
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942859H1
 <400> 39552

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 gcaaatatgg aaatgtcatc gtctctctcg ggcataatgc cggttcggta ttgttttttt 120
 agttgctaga ttttcttcac gttgccaatg cggtggttag ttaattagta gatatgggtt 180
 tgagatttga gaacaattat gtgttactag agctatagtc tccaatcctc ttattattat 240
 tattattatt atgttctttt atctcattcc cgt 273

<210> 39553
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942860H1

<400> 39553

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 ggatgctatg aaagctgttg ctgatgcaca ttctaagcgg tcccttaagt tgtttgaaat 120
 tgctttgagg gactacaagg cacagttgga ggaagaccca attgtacaca ggcacctttc 180
 atccttgtag gataccctta tggagcagaa tctttgcaga ttgatcgagc ctttctcaag 240
 ggttgagatt gcacata 257

<210> 39554

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700942864H1

<400> 39554

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 ctgtgttctt ctcttcatag cagtcttgta tgctgagaga ctaagtttcc ttaactccag 120
 ctccattttc aagtccaaaa catgtcctag aaagcacac aaatcaaagt ctaatgataa 180
 aaaatctgag gaagtgtttg caaatgcctc gtggatcgat gataggttcg attttgaccc 240
 agaagagtgc aatgttgcaa atgg 264

<210> 39555

<211> 137

<212> DNA

<213> Glycine max

<223> Clone ID: 700942865H1

<400> 39555

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 acgagaaaagt ggcttctctc caccttggcc agcttgagc taggctcacc aagctttcca 120
 aagaccagct gattaca 137

<210> 39556

<211> 221

<212> DNA

<213> Glycine max

<223> Clone ID: 700942868H1

<400> 39556

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 tatgtgatgg cagtcaaag tctccacat ctgtaacttc tgtaaccaca gatcttgggt 120
 taggaatatg ctcttctcct acctgcaata aattgaagaa acctgctgtt caatatacta 180
 tggagcctcc aaaggaaatc cctagtcgat tttctccaca c 221

<210> 39557

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700942872H1

<400> 39557

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 ccgcgacaac gatgaccac tacggcaca ttccaacctc ctctcgcct tcgaccaacc 120
 tcgacttcat ctcacgcgcc aagcagcgcg tcaaggaggg cctcggaacc cgccgtccat 180
 ggaagctcat gttcaatttc cgatccttcg gtctccccgc cggggtcgga gacgccgtcg 240
 cgcggtgtgag ggaga 255

<210> 39558

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700942873H1

<400> 39558

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 cagacattgg tttcactgtg ctcagagttt ctcaacggtg gcacagacac aacagcaaca 180
 gcggttgagt ggggcatagc acagctcata gcaaaccctc acgttcagaa aaagctctat 240
 gaagaaataa agagg 255

<210> 39559
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942874H1

<400> 39559

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 aaatgaaaca accgaggtaa gcaagaccca ggaaacaacc ccagtcactg aggctcctgc 120
 aacagaacaa cccgcagctg aggttcctgc aacagaacaa cccgccgctg aggctcctgc 180
 cccagaatca accaccgaag caccaaagga agaaaccacc gaggcaccaa cagatacagt 240

<210> 39560
 <211> 148
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942876H1

<400> 39560

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 agatgagtta ggatcctgta caaattactt gcaacatatg gaaatgatgc acatttttat 120
 gaaatgtgaa aatcagatat ttgttggt 148

<210> 39561
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942879H1

<400> 39561

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 agagaaagat gcagctgaga tgctcgtgaca tggaatggtg gatgaggagg aggcagttgc 120
 catcgcgatt aggccagagt gtctgccatt tggaacgtca gagatgggca gcaatgggag 180
 gagaagatga gatggaaatg atcaaagact tgccagaggg gctgaggagg gacatcaagc 240
 gccatctttg cctcgatctc at 262

<210> 39562
 <211> 226
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942880H1

<400> 39562

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 tttaatttcc tacaaaatga ttgcttgacc atttttgtag tggctcgcca ttgtaggtga 120
 acatatctag atgggaactt aatttttgaa ggtgagtttc agtgatatct tgtacaaaaa 180
 aaaaaagaca aaaaaaaaaa aaaaaaaga aaagaaaaaa aaggaa 226

<210> 39563
 <211> 170
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942881H1

<400> 39563

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 gcgtctccgt tctcggcgcc gcctggggga tctacatcac cggtagtagc 170

<210> 39564
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942883H1

<400> 39564

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 gagaattatc aaattcggtc tagaaaagcc aaacgtgtag taattttgac taataaatct 120
 aaatttttta agaagtagca tacttataat cctacaggag atactgataa cgctgaaaaa 180
 aaaaaaatg aattggcttt aatacgttat tcccaacaat cggattttcg gcgagactta 240
 atcaaaggat ctata 255

<210> 39565
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942884H1

<400> 39565

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 ttaattcaaa actcacaaaa gctgttccta aagtacatga ggatttttct gagctttgac 120
 aagttttcttc cccaacatgc tccattcatt agtcgagagg ttggcccggc ctggttcact 180
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 tacttgaat 249

<210> 39566
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942886H1

<400> 39566

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 tgtaagttat gagatgcaag cttctggcaa agtcagaagt cctgtgagac caaaagcaca 180
 tttgtcatgt ggacctggac aaaaaatatc atcaatcaag tttgctagct ttggcactcc 240
 agtagggtct tg 252

<210> 39567
 <211> 106
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942887H1

<400> 39567

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 tgctcctttc acccgtgact tccaaccttc ttctccacac aacata 106

<210> 39568
 <211> 141
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942888H1

<400> 39568

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 cggttgccca cggtgcagcc t 141

<210> 39569
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942842H1

<400> 39569

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 atcaagaaga tgggtcaacga tccttgcatt gatgttaagc ttcgtgcaag acaagcactt 120
 gggcagatta ttacttttgg tgataggtaa ttgtaatcag ttactccatt caaagcccct 180
 gggctgcagg caaagagaaa tcttgataga atttattttc tcccagttcc caccttatta 240
 tatgtcaagg tgtat 255

<210> 39570
 <211> 221
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942808H1

<400> 39570

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 tcttccatca gagtcttgct gtcctgggga tcccctctgg gtaaagaact cgaagacggt 120
 gtcacagcta aattccccaa cgtcaaactt tgccacggat acggcatgac tgaggcagag 180
 cctctgctaa caatctcttt agcttttgct aaagaatcga t 221

<210> 39571
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942809H1

<400> 39571

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 catctccttc acataccgaa gcatctattc aaagaaagcc atgactgata tggacagtac 120
 caatatctat gcctacattt ccatcattgc tctaattgtc tgtataccac ctgccgtaat 180
 tttggaaggg cctacactgt tgaagcacgg cttcaatgat gccattgcta aagtaggttt 240
 ggtcaagttc gtctcagatc tc 262

<210> 39572
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942810H1

<400> 39572

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 atagccatgt cagggtgttg ccctctatct caggattggg aaccgctcgt cctccgcaag 180
 aaggctccca ccgccgccgc caagaaggac gagaaagccg tcaacgccgc ccggcgctcc 240
 ggcgcggaat ttgaaaccct aaa 263

<210> 39573
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942811H1

<400> 39573

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 aactatgctt tggatgagat tgtggaagtg gaatgagtct aatttatttg taattttgat 180

tctggccatg ctatgccagt tactagccta aggttttttt atgtcaaaaa caaaaaagaa 240
 tttgtatcat attctctctg tt 262

<210> 39574
 <211> 224
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942812H1

<400> 39574

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 gaaggataaa tgaaaaatat gactaaccga tagccacagc acaaagcatt aaatcataaa 120
 attaaatcaa catggatgga taggattgta aatccactct tacataataa atttgagtat 180
 ttattcttga aaataggata atatctatag gtgttttctt tctc 224

<210> 39575
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942813H1

<400> 39575

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 accattcagg acatgtgata gagattgttt ataaaagtca acatagtcac gatccccgcg 120
 ataaaattga taccgctaag gaaagtaagc tctgccttc cagtgaacta aagttggaag 180
 cagttgtttc aaagcattct accaatgttt ggaatgattc tgatccatca tcttct 236

<210> 39576
 <211> 148
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942814H1

<400> 39576

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 tagaaaaacg aagagtctct ctcttcttta tgtcaggga caaatctttc acctcttctt 120

ctttctgctg accatttcag aaggaacc

148

<210> 39577
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700942815H1

<400> 39577

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tctaataccc ctcacactac ttctcgttga tggtagcagt ccaattaagg tacctgattc 180
acagtgggag ctgtatgttt tgtgtcagaa gaaaactgat ccgcagggag agatccattg 240
taggttgatt ggtttctactg ctg 263

<210> 39578
<211> 168
<212> DNA
<213> Glycine max

<223> Clone ID: 700942817H1

<400> 39578

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aagccttcca gaactgaata gttggcaaag gattttactt tgtttgttct ttgaattctc 120
ctgaacagag atatgatctc tttatataaa ctacaagtat acaacaga 168

<210> 39579
<211> 198
<212> DNA
<213> Glycine max

<223> Clone ID: 700942819H1

<400> 39579

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attaaacaaa gagcttccac cgtcgacttg catctcttca aaacgccacc gtactgctca 120
caagccaatg ccttgctctt ccatcacttc caccgccgat gacagcagca gcaacaacaa 180

caacaagaag aaggatgg

198

<210> 39580
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700942820H1

<400> 39580

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ggaaaattac tggaaacagc atgctggatg cttggaactt ttggacagca ttctagattc 120
gcctcttgtc aatgaagaag cccacgtttt tgttgctagc aagatttctc aaagcaatga 180
aatccaatgg aaatctcttc gatgtaaaaa gtctaaagtg aaggccatct ttgcttgaat 240
gggatgtagc cagctgctat g 261

<210> 39581
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700942822H1

<400> 39581

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ctctcattta tttttgaatt gaagtttctt tctcattatc tacaatatcc tcgcgcgtgt 120
tattagcgat gccggaggaa gaagtagtgg agctcaagtt ccgtctctac gatggatccg 180
acatcgggtcc cttccgttac tcccctgcct ccaccatcgc catgctccag gaccgcattt 240
ttgcagactg gcccaaagac a 261

<210> 39582
<211> 258
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700942823H1

<400> 39582

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 ananaganat ccatcgatca attaatttcc aattgccgat cagctcaccg acgaacagat 120
 ctctgagttc aggaagcctt tagcctcttc gacaaggacg gcgatggttg tattaccacc 180
 aaggaacttg ggactgtgat gcggtcgctt gggcagaacc caactgatgc tgaactgcag 240
 gacatgataa atgagggtt 258

<210> 39583
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942825H1
 <400> 39583

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 aaagtattaa gatggcagag acattcctat ttacctcaga gtcagtgaac gagggacacc 120
 ctgacaagct ctgcgaccaa atctccgatg ctgtcctcga cgcttgctt gaacaggacc 180
 cagacagcaa gggtgcctgc gaaacatgca ccaagaccaa cttggtcatg gtcttcggag 240
 agatcaccac caaggcc 257

<210> 39584
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942826H1
 <400> 39584

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 ggctttgaga tgggtgaaat ggcaaactcc cggttggttag aagaaacata cttactacgt 120
 ttacagacat aaaatacgaa agattactta cgcttcaatt ggatagcttt ggaacaattg 180
 cgaatttcaa aatttgaata cgcttctgta atcttagagg tataagcttt tagtttatgt 240
 acatgcatgt aggtgtcca 259

<210> 39585
 <211> 175
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700942828H1

<400> 39585

gttgagcaca gtatacagtc ggttatgtca ngatgacatg cctatgggta gaaggctggc 60

tgtatcaaat cttgggaaat ttgctgcaac tgttgaatat gctcatgtga aggctgatct 120

catggcaatt tatgatgatc tgactcaaga tgatcaagat tctgtcgatt gttgg 175

<210> 39586

<211> 197

<212> DNA

<213> Glycine max

<223> Clone ID: 700942830H1

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ctcacaaaca tggttgccgc agcaaaactc atccgtaacg aacttgccaa gtgaatggta 60

taagaaagta gaatctacaa gttcattggg tctgctttta taatacacca aagaaaaatt 120

ttctatattg gggtgtttca ataaccgggt gggggatagt tagatgtttt agcatgctct 180

gggagcaatt gattctt 197

<210> 39587

<211> 267

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700942831H1

<400> 39587

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aactttcatt tcatagattt tcatcatctc agcaaaggaa tcaatcaatc aagccatggc 120

aggcttcagt ggcgacgaaa cgcctccttt cttcggcttc ctcggtgccg ctgcggccct 180

cgtcttctcc tgtatgggag cggcgtatgg aacggcgaag agtgggggtgg ggggtggcgctc 240

gatgggagtg atgaggccgg agctggt 267

<210> 39588

<211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942832H1

<400> 39588

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 tgttggttaat tattccttgc attctcttga gttcagatgg aagcaactaa tggccaccaa 120
 aatgggttcgt tttgcttgtc cagtactaag ggaagtgatc cgttaaactg gggagcggcg 180
 gcggaggcga tgaaggggag ccacctggac gaggtgaagc gcatgggtgtc cgagtaccgg 240
 aagccggtgg tccggctcgg cggcgagacg ctca 274

<210> 39589
 <211> 175
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942833H1

<400> 39589

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 tcgggaatat tgtctagaca caattgcttg taatttcgaa acatttgctg atactaaaga 120
 atttcgggca tgttggtgac tttgcctcca ccatctggag actcgtctct .tggtta 175

<210> 39590
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942834H1

<400> 39590

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 cagtaaacaa acatgggaag ttccgtgctg gtaaaagaag catctgtggt tacaccttct 120
 gagcccactc catcgagtgt gttggctcta tcagctcttg attcgcaact cttccttcgt 180
 ttcaccatag agtatctctt ggtctacaac ccttgccctg gcctgggaca ggctgccacc 240
 ac 242

<210> 39591
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942835H1

<400> 39591

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 aagacgacgg caaggactac caggagccgg cgccggcgcc actgggtgac ccgacggagt 180
 ttacgtcatg gtccttttac agagcagggg tagcagagtt tggtggccac ttttctgttt 240
 ctatacatca ctgtctt 257

<210> 39592
 <211> 140
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942836H1

<400> 39592

tgcttgggca acagatacgg atagtcaccc ttgttaaggg aatgttgtat agtcagtttt 60
 tttatacgta ttcattgcttg gagagatcca aagaatattc tggctgagtc tgttgacaat 120
 atagggtttt tttcctcccc 140

<210> 39593
 <211> 242
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700942837H1

<400> 39593

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 ggctttcaaa gacaccattg acttgtttgt tgagagggtac agagatcaaa acatcaatgt 120
 tgtcgcagga gttgaagcta gaggctttat atttgggtcca cccattgcat tagtcantng 180
 agcaaaatth gtcccatga ggaaacccaa taaattgcct ggggagggtta tctcagaagg 240

gt

242

<210> 39594
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700942807H1

<400> 39594

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ggaggaagaa ggagccattg aagatagcaa aaatggtttt ttgttcctg ggcctcttct 120
ttctctcaag gaacagatcg aacgggacaa ggaggacgaa agcctaagga gatggaaaga 180
gaagctgttg ggttgcttgg aaagtgatat agatgggtcaa ttggatcctg aagtgaaa 238

<210> 39595
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700942838H1

<400> 39595

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agctgtcaac agagctccac tgagcttgaa cagctctgaa gctggagatt cggttcccag 120
ttcagccttc ttggcacia gcttgaagaa ggttactgcc tcaagggtcc ctaacgtcaa 180
gatttcttct ggaagtttca aaatcggtgc ggcggagaaa gagattgatg agcaacaaca 240
gacaaacaag gacagatgg 259

<210> 39596
<211> 248
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700942841H1

<400> 39596

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ccccggcncc tncctctct cacaatcaaat ccatttcgcc aaatttcaca tcactcttca 120
cacantagaa aatagtcctc cgcgcccggc tatectaggt ttctctgtgac gatgctcccc 180
tactcttcca tcccgggaagc cgtagcggcg ctgggccgca acctcacctt cgcgagagacc 240
ctctggtt 248

<210> 39597
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700942763H1

<400> 39597

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taagaagcgc acacgcgctc gcaaggcacc acgtgcagcc gcggttgttg cagcggaacc 120
gcttttgcga cggagcggcg aaatcgatat ccccgtcggc ggatcgcgctg aagtgggact 180
accgagggca gaggaagata atcccgttag ggcagtggct ccccaaagtg gccgtggatg 240
cttacgtagc acccaacgtg gtc 263

<210> 39598
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700942764H1

<400> 39598

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ctcgacatca attcaagaga tgtttaggag ggtcagttag cagttcactg ctatgtaccg 120
gcgcaaagcc ttcttgcttg gtacactggg gagggtagtg acgagatgga gttcactgag 180
gcagagagta atatgaatga tttggttagc gagtaccagc agtaccagga tgcaaccag 240
aggaggatga tgaatacgag gat 263

<210> 39599
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700942765H1

<400> 39599

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tctcgagaat catcgaataa aactaggggt tccgatcgtc gtcgaggaga atgccgaaga 120
acaagggaaa gggaggaaaa accggaagcg cgggaagaac gatgcggacg acgagaagcg 180
ggagcttggt ttcaaggatg acggccatgc actagctcag gtgctccgga tgctggg 237

<210> 39600

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700942771H1

<400> 39600

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cgggtgaacta attggattgt tgcgagccga acgagcaggg cgttccttag aagaggcgat 120
ttgctatcgg ttctattatt ggggataaca aaaacatctc tgaataactca aagtttcata 180
tctgaagcaa gttttcaaga aactgctaga gttttatcaa aagccgctct cggggggcgc 240
atagattggg tg 252

<210> 39601

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700942772H1

<400> 39601

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agtctctaaa acttctgaca atgcccctgc aatagttagt ttttcaaat tcaagccatc 120
atcatcattt tccggctccg ggcaaaaaat tccatgcaag aagctcatca cactcgtgag 180
aaatgggaga aggtgctggc tccgtcggtc gcacatagcc acaatgattc aaagagagta 240
cctgtgtatg tga 253

<210> 39602

<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700942773H1

<400> 39602

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ttgttttttg aggaaacttg tgattcatgt gttttcagtt atgatactgt ggccttttca 120
tgtctttgag cagtgaattt gagtgatttg tgaaaatggg ccacccggag aatataaatg 180
cccttgcat ttcagacaa cataaaaatt aaaaagttaa agtccacatg ggtgacga 238

<210> 39603
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700942774H1

<400> 39603

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aattggtatt ttaagactat atttgatttt tattttcaaa aaatattttt aatttttaaa 120
atacaattaa agaggttgct caaacatagt tggtaggggt ataaggcata aatgagagtt 180
taaacaagaa aatggaaaaa acatctcttt tgaattgggt gttgagtaat ataaaattat 240
tttttaaaca aaatt 255

<210> 39604
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700942776H1

<400> 39604

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tgctattact gtgctttctc aaaactatgc ttcttcctcg ttttgtttag atgaacttgt 120
aaccatcctt catgcaagag gaaaggggtg ttggttatac cggctcttta caaaatagat 180
ccttctgatg tcagacacca gaaaggtagt tatggagaag caatggctaa gcatcagaag 240

agcttcaaag ctaagaag

258

<210> 39605
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700942777H1

<400> 39605

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ttctcactac cggcttcacat atcatcatct tcttcttctt ccattgatga cgtgaaatca 120
agcaccatca ttctcaattc aaggaagccc ccgaattcta caactcccca gaatgcgcct 180
ccctcaccga caacgaggta gacagtagcg acaggtagcat atgttcggag gaagcggtag 240
acgtggcaat gacgctggac 260

<210> 39606
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700942780H1

<400> 39606

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ccagaatccg ttgagaatgg cggtgcccgt agtcgtcgat gcagagtacc tcaaggaggt 120
cgacaaggct cgccggatct ccgcgcactc atcgctaaca ggaactgcgc tctctcatg 180
ctccgattag cctggcacga tgccggaact tacgatgcta agaccaagac cggtaggacct 240
aacggttcga tccggaacga gg 262

<210> 39607
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700942781H1

<400> 39607

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0953113-032200

aactggagct gtagtcaaca tgattgtctc aaagtatccc actattaagg gcattaattt 120
tgattgcccc atgtcattga agatgccccca tcttatccag gagtggaaca tgttggtgga 180
gatatgtttg tcagtgttcc aaaagctgat gctattttta tgaagtggat ttgccacgat 240
tggagtga 248

<210> 39608
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700942784H1

<400> 39608

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caaaagctcg ccggaaaatc tttctccggc gacctggaat tccgacgaag gtagttgcgg 120
ctccttctcc cgaaactgag gccctcaaag tataaacttt ggtggtggtg ggtaggatct 180
ggcgggtgat gatgggatct tgcatatgcc agttggagac tccggcgagg ttgctttgga 240
ccacaag 247

<210> 39609
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700942787H1

<400> 39609

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atcagcccag aagtgggaag ggtgagcatg aggaagaccg tcaccaagca ggtctcctca 180
ggaagcccat ggtacggccc agaccgagtc aagtacttgg gccattctc tggcgagccc 240
cgtcct 246

<210> 39610
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700942788H1

<400> 39610

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accttagcca attatcacca gcttctgccc ctctcaaacc accccaacct gtccttacca 180
taccagctgc tgctcctcaa caaccattgg ttccttcatt gccacaatca ccaagtgatt 240
ccaccctga ca 252

<210> 39611

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700942790H1

<400> 39611

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gataaaaatg agttaaaatt gtgaaacatg tcaaaggggg gttgaatcca agctccctcc 180
atcagttaga cttcaataac ccctacattg gagaagtggc caaaattgga ctagtgggtg 240
ctgtcgttgc cct 253

<210> 39612

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700942791H1

<400> 39612

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cacaaaccca aatcatccct ggagagcaag gagtcattga ggccgctcgt caccctgatg 180
ccaccactgt agttacaggc atagttgggt gtgcaggatt aaagccaaca gttgcagcaa 240
ttgaagcagg gaaag 255

<210> 39613
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942792H1

<400> 39613

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 agagaccact cgataattca cttcaagaaa agcttccagg aggatcggaa gatgccaact 180
 ttgagactgc tacgtttgat gctactcatg taagaaagaa tatagggtt tggaaggag 240
 atgtggatga cctaaaa 257

<210> 39614
 <211> 82
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942793H1

<400> 39614

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 aaatctggag cgtcgggaag tt 82

<210> 39615
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942794H1

<400> 39615

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 acaacaatca gtgctcctca agcaaggaag acgctgacat gaatagcaac caccttcggt 120
 ttgaagaagc tgcgaggctg tcgacgagag ttccaacctc gaccaatcca tgtgcgacat 180
 cgaagaatcc gatgataaaa ccagcgccga ctattacttc gattcctact ctcatTTTTG 240
 aattcacgaa gaaatgttg 259

<210> 39616
 <211> 260
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942796H1

 <400> 39616

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 gggttatgat aatacgagtc aagtctgctg tgctttgctt tgcaaagcc aatttcgtta 120
 gagaaaggat cataaatggg tcaactgagga agaatacagaa gatgacaagg gaaattcaag 180
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 aatcactgct ctagaggaac 260

<210> 39617
 <211> 206
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942801H1

 <400> 39617

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 tcggccatta gaaaccgtaa tgaaggatct tgcttgcca attatcatca tatttttgat 180
 gaaatggaag atgtagactc cctgga 206

<210> 39618
 <211> 224
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942802H1

 <400> 39618

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 accctaggct ctcttggttt ggactcatga aaaacagcag agctggcaga agctatagta 120
 caaatttagc tttcacccca cctgagtatt tgaggacagg aagaatcacc cgagaaagt 180

taatatacag ttttggcaca ctcttccttg atctttctgag tggc

224

<210> 39619
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700942803H1

<400> 39619

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ttttcgccat gcaactagcc agtgccctcag tactccctat ggttctcaaa tcagctcttg 120
agcttgatct gttggaaatc atagccaagg ctggccctgg tgttcacett tccccctccg 180
acattgcttc tcggctccca acacacaacc ctgatgcacc cgttatgttg gaccgtatat 240
tgcgctcttt ggcttgct 258

<210> 39620
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700942804H1

<400> 39620

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gaacaaacca aaacggttga gtcagaatca gtaacaccac cacctgctgc tgctgctcct 120
tcacaggttc ctctgctgc tgaggctgaa catgttcctg aggtcccaaa ggatgtgact 180
gaggagaaat ctgtaattcc agtgcccttct tctgatgaca agcctgatga atccaaggct 240
cttgtcttgg ttgagaagac tca 263

<210> 39621
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700942806H1

<400> 39621

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gtattcagtt tctcttctcc caacgttttt gtcgctagta acagaatatt acaaagtaac 120
 ggctttctca gtggagcgct tgatttgggt tgggtgggtca acttcaagtt tcaatttttt 180
 tttcattttt gtctggctga ttgagaaggc tcagttgcag agacgggtggg ggtgggaagg 240
 ttatggcttt ttgcccaatt tt 262

<210> 39622
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942759H1

<400> 39622

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 ttcattaag aaaccttcca aaggcaaaag ctgcactcac ggctgcaaga accgctgcaa 120
 atgctatata tgtgccccag ctcaacaatg tgccatagat ctgcagagtg gaataacttca 180
 tgctgaagag aaggattata aaactgctta tagttatttc tttgaagctt ttgaatcatt 240
 caatgctctt gatgacccca 260

<210> 39623
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942715H1

<400> 39623

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 atttaggtga gtgatcacga atctggtttg acttgccggt tacggatcag aggtgacacg 120
 tgtacaggaa tgacatccat gacagcgggt gaggggtggtg ataataacgt caactttggc 180
 ctcaacgcgc tacactgagt agattgctct tgtccgtaga ttgggtccca ttcacaatta 240
 ttatgcaatc gggaccgtag atagggc 267

<210> 39624
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942716H1

<400> 39624

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 agggccctga aatacactag taaatcttgt ttcagatatt acagcttaag gtttgtgatg 120
 taattgttag tatattatatt gtgtagtttt atcataagag aagacttgtc tatgaacctg 180
 aaacatacca agcatgagat gaaacagacc caagagctta tgatatatgt ttatatacta 240
 ctagttcttg tctc 254

<210> 39625

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700942717H1

<400> 39625

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 attgtgaaac ataataacac cgtgctttct tgtactccct tacagcttat gatacttttg 180
 atgacatgaa atttaaagct ttacaattgt atgtaaaaaa aaaaaaaaaa aaaacaaaaa 240
 agaaagaaaa gaaatgatag cagg 264

<210> 39626

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700942719H1

<400> 39626

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 cttccatggc tctctcatcc ccaccccttg ctggcaaggc cgtgaagctg ggcccatcag 120
 ccccagaagt gggaagggtga gcatgaggaa gaccgtcacc aagcaggctt cctcaggaag 180
 cccatgggtac ggcccagacc gagtcaagta cttgggcca ttctctggcg agcccccgtc 240
 ctacctaacc ggtga 255

[illegible]

<400> 39627

<210>	39628
<211>	259
<212>	DNA
<213>	Glycine max

<400> 39628

<210>	39629
<211>	243
<212>	DNA
<213>	Glycine max

<400> 39629

15792

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 aaaaagagat ataatgggt gcccgcaact aggacgctcg tcaaccgggt tattattccg 240
 gac 243

<210> 39630
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942725H1

<400> 39630

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 aattagcatt ggcacagtaa cacaagccgg aacagtcact agcacacaga aaatatggag 120
 gagtttacia gctctcgggc aatggccttt gcatactcct tttccattat cctcatcgaa 180
 attcaggaca ccataaaatc tcctcctgca gagcacaaga ccatgagaaa ggccacaact 240
 ttgagcatcg cagttactac ag 262

<210> 39631
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942726H1

<400> 39631

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 cgatcatttt gaagaaactc agaggcagca cagcccgtta taggaggatc acttgggggtg 180
 catacaagag ccctttgctg tagatggctc agactctgtt ccagactgac ttggcttgat 240
 tcagccagca tcttctt 257

<210> 39632
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942727H1

<400> 39632

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 ttctttctcc ttctacttct tcatcccaag cattcgacta tgtctccgtt ctggaagctc 120
 ttgtttctga tactgatgtg ttctgtctcat ccgcgacgc ctccgacgac gaaagagtgc 180
 gcgaattggt gtccctgcaa tcgagatcca aatcgggcct aatccggctg aacgaccaat 240
 ccctggcccg cttcttcacc g 261

<210> 39633

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700942728H1

<400> 39633

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 aatacatcat atgggggttta actgctggga tcttgattag ggctgcatca gttgtgtacc 120
 aacggcagcc agcttttgtg gagcagaacc ctaaattcaa gcttccacag gatgtatcca 180
 atgacactac aataccttga gttcattgtt tattgtattt tgtccttgat acttgtcctt 240
 aatcgtgcaa aaaaactcgt agcagc 266

<210> 39634

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700942729H1

<400> 39634

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 ctatggtgga gaggcaagga ttccaacttt gagggaatta tttcctcgga tggaagacaa 120
 gaagagcctt gttcatctg agagcgttct gagataaagg gaaaagcttc tctactagct 180
 gcatttgact actatgttgg cttgcatagt gacatattha tctctgcttc cccaggaaac 240
 atgcacaatg cattggttgg aca 263

<210> 39635

<211> 267
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942730H1

 <400> 39635

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 acttatgtat tatgtctgtg atggttttcg tgcactctgg tgttttgtgt taaacaaaca 120
 tccttagaat aaagtgggtca tgtcttgccct ttcagcaagt tcaagtgttt tggacttgtg 180
 atgggtgtgt taagctcatg gttgcttctt tttttttttt tttaaatgtt tggaaattgg 240
 ccgcttctgt ataaagttcg gctaatac 267

<210> 39636
 <211> 270
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942731H1

 <400> 39636

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 ccaaagccac accctcctcc catcatcact cgcttccac tccagaagct acgtgccatg 120
 catcaggacc aggaccacca ctgtcgccgg actgtccgcc gtggcgaacc cgtcccacgc 180
 gcatgcgaat acactcttct tccggtcggc gtacaacgtg caggtgggtg tggacgagaa 240
 cgagccggag gagaggctcc tcaaccggtt 270

<210> 39637
 <211> 196
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942732H1

 <400> 39637

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 actgagtcct tctgttcgg ggaaggga aaataatggc cttgttatga acttctacaa 120
 ggaatcatgc cctcaggctg aaacatcatc acagaacaag tcaagcttct ctacaagcgc 180

cacaagaaca ctgctt

196

<210> 39638
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700942735H1

<400> 39638

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aagatgaaag tgaaagatct tcggcggtcc cgcaaagtct tgaggaagag aaagttgaag 120
ggagaagaag agtggagatt ttgatggcac tcatagacct caaagtgggtg tcaaggggtt 180
tgagaatgag tgagttaagt gaggaacagt tgcattgggtg tgaagagaag atgagcaaag 240
tgaggggtatt ggacg 255

<210> 39639
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700942737H1

<400> 39639

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ctcctggcat atatggcaac aatttaaaga ttgagaacat tctgttggat gatagtctca 120
atgcaaaagt cagagataca acattccatt gccatccaag attgcacata ttgaacaaaa 180
tgccaccaat catattggca gcacaaacga tgcagaaaag gaagatatct atcagttggg 240
tattattcta cttgaagt 258

<210> 39640
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700942738H1

<400> 39640

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ttacaccacc ggttctgcac ctcttctttc tctctcttct acttctagtg ttgccacaaa 120
gctctactcc ggattgaact tcaagctgcg agtcctttcg gagctgcaaa acctaacgta 180
accgctgagt tttatggaaa agttcacaac actcttctact gtcggtatgc taaccacaat 240
acatcaatgg cacgtattcg 260

<210> 39641
<211> 71
<212> DNA
<213> Glycine max

<223> Clone ID: 700942741H1

<400> 39641

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agaaaagaaa a 71

<210> 39642
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700942742H1

<400> 39642

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ctctgaacca gcaaaccatgt ctgcagccat ggatatgtcg ctcgacgaca taatcaagaa 120
caacaaaaag tctggaccgg aagttcaagt ggccggaccc gaccctccgg atccggacct 180
attcgccggc tccccaaccg tgcggccaac cgggccgaac cttatgcccc ggtagggcg 240
ccgaagcaac gtg 253

<210> 39643
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700942743H1

<400> 39643

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aactttgagg gaattatttc ctctgatgga agacaagaag agccttactt catctgaaga 120
 gcgttctcag ataaaggaaa agcttctcta ttagctgcac ttgactacta tgttggcttg 180
 catagtgaca tcttcatctc tgctcccccga ggaaatatgc acaatgcatt ggttggacac 240
 cggacatact tgaacttaaa ga 262

<210> 39644
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942748H1

<400> 39644

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 ggagaggctt cagaggatgt tcgcgggtgc aggtggagcg ctggggccatc ccccaccgga 120
 ttccccacc ctcgattcct cgagcaggtc tacatctcct ccctcgccct tctcaaaatg 180
 ctcaaacacg gaagagctgg ggtacccatg gaagtgatgg gtctgatggt gggggagttc 240
 gtggatgagt acaccgttcg cgttgtgg 268

<210> 39645
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942752H1

<400> 39645

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 tcttcatatt cttcttcttc ttcttgttct tgttctatct gtgacgagca tcattggctc 120
 gagagcagtg cattgttggc tatgtgtgtg cttccggcca tggttgtggc cattcgccca 180
 gcaaagaacc ctttttgcgt gaagggtcgc gtctactgtg acccttgccg tgctggtttt 240
 gagacctcag caa 253

<210> 39646
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942756H1

<400> 39646

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gcgaaccccc agttaatttt gagtggggag ctctgtgcc ttcagccagt ttttcagatt 120
tacggctgctc gacaggtctt ctctggacct atagttacct tgaaggtgtt tgaagacaat 180
gttttggttc gtgagttcct tgaagagaaa ggcaatggaa gagtgcttgt tgttgatgga 240
ggcgcgagtt tacgct 256

<210> 39647

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700942714H1

<400> 39647

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taacatgttc ccgtcttcca tctgtctcct tggggagtct gagaattggg ttgaagaaga 120
gacctctaga tcgtgatagt agaatgcggc tagaaaggca agagaaggct taagatctgt 180
gagagcaatg atgggtgcac atgagcagtt tagtggttaag tcagaagggtg aagatatagg 240
acctttgaa 249

<210> 39648

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700942680H1

<400> 39648

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gaattcaaga gaagctaata gttcatcttc aactacgatt ggatatcttg actggaacag 120
tggttttagtg gtttctacag acgaaaatca atcccaaggg aaaatctgga agcttcatgg 180
aattgccaat tattgtaatc caaggtcctc cttggatgca tctagaggga acacctgctt 240
gtgctggata tataccgggtt ccagttattt tct 273

<210> 39649
 <211> 276
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942681H1

 <400> 39649

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 gggttcaatt gagatctttc taagcaggca ttgtcccttg tggatggct acaatgggaa 120
 gttgaagcct ctgatgaggc ttgcttatat taacaccatt gtctaccgt ttacctcaat 180
 cccattgatt gcttactgta cgcttctgc attttgtctt ctcacaaata aatttattat 240
 tcctgagata agcaactttg ccagtatgtg gttcat 276

<210> 39650
 <211> 274
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942682H1

 <400> 39650

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 tatgttgta gagtgagcaa caattgtaat gggtctgtat tgatgggttc attctgaaga 120
 ttgccttcca gattttaaca atctgatgat gagaaggcaa tcagcttgta tgactctatc 180
 tgcattatga tacatgttta tcgggtttct taactacgtt taaacattgt agctatatat 240
 tgtgagtttt tctgtggaaa attattgtct tttc 274

<210> 39651
 <211> 266
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700942683H1

 <400> 39651

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<223> Clone ID: 700942687H1

<400> 39654

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ccgcagcagc aaacatctat accttaaagc acaacaatgg ccgatgccga ggatattcaa 120
cccctcgttt gcgataatgg aaccggaatg gtcaaggctg gttttgccgg agatgatgcg 180
ccgagggcgg tgttccccag cattgtgggg cgtccacgtc acacgggagt gatggttggg 240
atggggcaga aggatgcgta tgttggggac gaggc 275

<210> 39655

<211> 103

<212> DNA

<213> Glycine max

<223> Clone ID: 700942688H1

<400> 39655

cttttacagc ttctggaaca cttgaagaaa taccttggtta ccaaactga actagaagca 60
ggattttcat ggtgtctcat tcatagatta gagaaaccag agg 103

<210> 39656

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 700942690H1

<400> 39656

gtcctcttcc atctcctccg ccacgccctt cacctcttca acgaatcgta gtcctccaaa 60
gacacgccgt gggttttcggg tggagtcgtt gaagcggagt tcgaaaccag cgtctgcgga 120
gttggtgaag gacccaata aggacttgtc ccgcattctc cgaaccgaag ccgccatcag 180
aggcgttcat aacaaggcca agtcttctc ccacaaacag ctcccgccca aggcccttct 240
cgaatccctc gacgacgcca tcaaacgctg tcgt 274

<210> 39657

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700942691H1

<400> 39657

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 aacaagaaca agaagccaag caatgcagac gaggttcaact tccgcggagt ccggaagcgc 120
 ccctggggcc gctatgccgc cgagatccgc gaccctggaa agaagaccgc cgtctggctc 180
 ggcaccttcg acaccgccga ggatgccgcc cgcgcctacg acgtcgccgc ccgaaacttc 240
 cgtggcccca aagccaaaac caacttcccc t 271

<210> 39658

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700942692H1

<400> 39658

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 agaaaaagtg cggcaaagga tgtgtgtgct tgcttcattg tttgcgttgt gaagtaggtg 120
 atcgaagtgc ttgaatgcta tattcgttta cgaaatgaag gaggacgcgg agaaagataa 180
 aggcaaagac aacaatagga tttggggagc tattctcttc ggcttaattg gcgccaccgt 240
 cactaccttt gcggtcggtc agctgcggag g 271

<210> 39659

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700942693H1

<400> 39659

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 gcgtaccctc cgccagggtg cccgccgcaa ggaggatacc ctccgcaggc gtatccagca 120
 caggggtacc ctccacccta cgcgcctcct cagtacgtc agcctccgcc gcaacaacac 180
 cagaattcat ctggcgcagg ttgcttagaa ggatgtttgg ctgctctctg ctgctgctgt 240
 ctgttgatg cgtgcttctg agaggagaag a 271

<210> 39660
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 700942694H1

<400> 39660

gcaaggacca ctcttccatt cagtcattca acttctcact cactgtttct cagaacacaa 60
aagatggtga tgatgatgca gaaacacctt ctcttctcac tttcacttct cctaattggtt 120
ctcttcactt cagctcaaac caccacagca ccatcacctt cctctgcccc aacagacttc 180
atcagaatcc tcaaaaaagc cggaggattc accaccctta tccgtctcct caccacaaca 240
caagtctcaa cccaaatcaa cgcccagctt ttg 273

<210> 39661
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700942702H1

<400> 39661

ctactatata agttgtggac aattggaaat cagcatcacc tatcacttat ttagtacgtt 60
atctttgtgt tttggtttgt agaataaaca aggtatgagt gtgaaacgaa tcctttgaag 120
cccttgctca attataagtt ggaagaaaat agagaaatca ggtgggcttt gagtaatggt 180
agtagtttgt gtgtgaagaa agagggtgag gtatttcagc gtattatgcc gcaataaagg 240
aaataacaaa aataccaag 259

<210> 39662
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700942703H1

<400> 39662

cgaaaatgag cggactaggg gaagaagaag ggacgagctt cgtgatcgat tgcgcgaagc 60
ggtggaggat aagattatgg acattgcttc tctggagaag ttccttcagg agaggattaa 120

ggtcggcggc aagccggtgc actcggcgac tccattaccg tcaccaggga caagagcaag 180
 atcaccgtca cctccgacag caacttctct aaacggatc tgaaatattt gaccacgaag 240
 tacttgaaaa agcac 255

<210> 39663
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942704H1
 <400> 39663

aaaaaaaaa aagaaaaaaaa aaaaaaaaaa ctaagaaaaa gaaatgaatg cagcattcag 60
 agagagtgc gacaatgagc tccaggaatc ctctcgtgtg tgatgagcca cttgtgtctg 120
 ttgacttcag tgcactgtgt gtcctcaacc gttgactcat cgttgaccat ggtcatgggg 180
 agatgacatg gttaagggtga ttgccttggg atgacaattt gtctgggcta ttccca 236

<210> 39664
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942705H1
 <400> 39664

gggaaactaa gatcaaattt tcttgaaca aagttcacia tctatgatgg ccagccacct 60
 catgcaggag caaagattat gaaaagtcgc tccacaaggc tggatgaatct aaagcaagtt 120
 tcaccaagg tccctacaga aactatccag tggcccatat ttcatatgaa ttgaatgtgc 180
 ttggctcaag ggggcctagg agaatgcatt gtgtcatgga ttccattcct gccgctgcaa 240
 ttgaacctgg aggtgtagct 260

<210> 39665
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942706H1
 <400> 39665

ctcaagctga atttagtaaa cctgctaagc aacatgctaa ttcagatgat tcaaatacaca 60
 atagaggtgc aagtgctgga agaagtccta ccagggatc tggggagcta aaccaaggac 120
 gtgctttgtt gttggctatc ctggcaaaaa aagtcctggc caaaaagcat ctgaacctcc 180
 tgcccccaaa catggtcagg gattttcaaa aagcccttca ccaaatagca tgcctaagcg 240
 tattaataaaa gggcgtggct tta 263

<210> 39666
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942707H1

<400> 39666

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 ttgcaaatta cagcctcact ttaacattga atcgttgaga ataaaaggct ataaaggaac 120
 cagatctcct gattggatgg aaattcttcc tactagaata tgatctgtct aaaattgcgt 180
 gattgtgaca actgtagtat gcttcttca cttggacgac tttcttctct caaagtcctt 240
 aagattgcac gattgaat 258

<210> 39667
 <211> 226
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942708H1

<400> 39667

cgcggtataa gaccgcgaaa cggaatattg ctgcgcgct ggaccctgca gcattctcgg 60
 atgcagtggc ccagatttat ttggataatg ctggtgatct ggaacttatt gctaagagca 120
 ttgaatcttc agaccttact tttcaagata cggcgatacg ttgttttgat gttgatttca 180
 ctgggggtcg tacacaacct ggaactacca aggctaata ggggga 226

<210> 39668
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942710H1

<400> 39668

agcaattcct ggagagggcc tacaacaatg caaaaactat tctgaccact cacaacaagg 60
 agcttcatgc acttgcaaat gcccttcttg agcacgagac actttcagga actcagataa 120
 agacattgct tgcccaagtt agatctcaga tgctgcagca gcagcagcag cagccacccc 180
 aaacaattga agctcagagc agtttacaat ccaacacggg gcctccatca tccagcaacc 240
 cggcatctgc tgctgccgct gctgctg 267

<210> 39669

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700942711H1

<400> 39669

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 gagtgatgtc tgagtgtggc tgttccgagt cagacccttc gtgtggttgt tggtcgagca 120
 gcagcagcag atctgtggcc caactgaact gaagctgtac cgagcattca tcttctgtgt 180
 tcccatcttc ttactctca ttctctctt tctcttctat ctcttctacc tccgaccgcg 240
 aactaggctc cattggattt cacact 266

<210> 39670

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700942712H1

<400> 39670

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 agattcgaga tttgcgattc cgcaatggct tcttcttcca cgacaatgcg gttatacgcg 120
 gcctccaccg gcgccgaggc gcgcttctc gccggagctc cgtcgccgga ttcacggcg 180
 tcgcggccag atcctccgcc aaatcgaggc tccgcttcat cggaaggaac gcgaacttga 240
 gcctccggat gaggaggatg agctc 265

<210> 39671
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942713H1

<400> 39671

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 atagtagagg tcatgcatcc aaggctaata acaatggagc tgtaatacct gatcctggca 120
 gataacattg tgtgatcgac agaccgtgct caatggaagt tttaaaaaat gaggccaaaa 180
 tctcttgagc attagcacac aggctatatt ttagagtcac tgagggtaac cgcataaaaa 240
 taactactga atcctaattt caggact 267

<210> 39672
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942679H1

<400> 39672

gcggattatt ttcgatttgt cgattaatag aagttcatct tgttcattga catctcgtaa 60
 atatctttcg cttcgcccaa gcaggatctg aagtatctgc cttattgggt cgattgcctt 120
 ctgctgtggg ttatcaaccc actcttagta ctgaaatggg ttctttacaa gaaagaatca 180
 cttctaccaa agaggggtcc ttaacttcta ttcaagcagt ttatgtaccc gcagacgatt 240
 taaccgatcc tgcgctgct acgacatttg ca 272

<210> 39673
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942643H1

<400> 39673

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 aaggatatcg cctcccccaa ctgccttctt cccctcaagg acatggatga gtgcggctac 120

gactgacaaa ccggcttcgt ctggctcaaa caaaagaaga gttacacca caagttcgac 180
 aagatcgga agcttgctc ctacgcgcc gaggtaactg ctcatgtcca acaaggtaaa 240
 attaccaaac tcaccggggt taagaccaag gagctcttg 279

<210> 39674
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942645H1

<400> 39674

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 ttctccctcg cgtagatcgg caatggcgga gaccgagacg tttgctttcc aggctgagat 120
 caaccagctc ctcagtctca tcatcaacac cttctactcc aacaaggaaa tcttccttcg 180
 tgaactcatc agcaacgcct ctgatgcttt ggacaagatt agatttgaga gtttgacgga 240
 caagagcaag ctcgatgctc agccagagtt gttca 275

<210> 39675
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942646H1

<400> 39675

tgcttaatga taaggggaat actgctgttt atttgctgta tgcacatgct aggatctgtg 60
 ccattatcag gaaatctggt aaagacatag aagaagtaaa gagaaacggg aaaatagtgt 120
 tggatcatga agatgaacgt gcattggggc ttcatttgct acaatttcct gaggtttatg 180
 aggaggcatg cacctatctg ttgcccaatt tcttggtgta atacctttac aatttggcag 240
 aaatctttac aaaaaaattt tatgctaatt gtcag 275

<210> 39676
 <211> 93
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942647H1

<400> 39676

ttggaatagt aagtccagta tactgtaaaa agtgaaattt agaaactttc aatgagacaa 60
tggttacattg ttttatccaa caactttttt ctt 93

<210> 39677

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 700942648H1

<400> 39677

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caaagatggg gtggcagttg atgatctcat tcaagggttg gagaagatgg tctttgggat 120
tgaccatgtc aagtcctttg aatggggaaa ggacattgaa agtcatgata tgctaagaca 180
aggtttcact catgctttct tgatgacatt caatgggaaa gaggagttca acgcatttca 240
gactcaccca aatcatcttg agttctcggg agtggtttt 278

<210> 39678

<211> 283

<212> DNA

<213> Glycine max

<223> Clone ID: 700942649H1

<400> 39678

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tattccgtgg atttgaagaa agaccttttc ctccaattcc agagtcaaag tttaaggcct 120
aagttctctc aactctcatt caaccactt ccaccatcaa cttcttecta ttcttcaccc 180
cgtacattca caaccctggc tctcttcaaa tctaagacaa aagccgctcc tgctaagact 240
aaggttacaa agccaaagca aaagggttgaa gatgggtatct ttg 283

<210> 39679

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 700942652H1

<400> 39679

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tacatcgatg taacatagga tattgcgctc tctctccagg agaataaata ggagaaattc 180

attaataaca aaaaataaaa aaaagggggg ccccccgatt agtaacctca tcgccccgga 240

atttattccg ggacggaacc ctgagggcgt cccattt 277

<210> 39680

<211> 211

<212> DNA

<213> Glycine max

<223> Clone ID: 700942653H1

<400> 39680

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tgccaaagtt atagtatagt attcctattc attttcctgg agagacgacg caatattccta 120

tacatcgatg taacatagga tattgcgctc tctctccagg aaaataaata ggagaatttc 180

attattacca aaaaagaaaa aaaagggggg c 211

<210> 39681

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700942655H1

<400> 39681

gtagcatctc aacgaacacg tgatactctt gttgggttaga ttattcaacc cctgcaatat 60

ggagactatc ccatttccat ctagacaaat gcatgtgaaa taattccggc ctacacaaat 120

catgaatcta aacaagttaa tggatcattt gacttcatag gcgtaattca ctacaccagt 180

ctcaatgtct cagacaattc tgacgccctt aagaactagc tgagagattt cagtgcagac 240

atggcggcag atatctgttg agaagatctg t 271

<210> 39682

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 700942656H1

<400> 39682

gaaaattgta tcaagtaaaa atgaagagca gtagagggtt caaccaatta ttactgggca 60
 tgccaaagtc atagtatagt attcctattc attttcctgg agagacgacg caatataccta 120
 tacatcgatg taacatagga tattgcggtcc tctctccagg acaatgaata ggagaaattc 180
 attaataaca aaaaataaaa aaaagggggg cccccgaatt atagatctct ttgccccgga 240
 atttaatccg ggccgggacc cttcagggtt acaagtttc 279

<210> 39683

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 700942658H1

<400> 39683

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 ggccggaggt aagagcaaaa agaccaaaag aacagcacc c aagtccaatg atatctatct 120
 caagctcttg gtcaagcttt atcgcttcct tgttcggaga actggcagca acttcaatgc 180
 tgttatactt aagagattgt tcatgagcaa ggtaacaaa cccccattgt ctttgtcaag 240
 gttgattaag tatacgaagg ggaaggaaga taagattg 278

<210> 39684

<211> 155

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700942659H1

<400> 39684

aaaatctgca gtttcccaaa accagcttcc cggacaattc aattcaggaa cttggagaac 60
 cattaagaat cagtctcag gaaacctctt ggatgagtc aaggaaagct ctgcaccaca 120
 cacagggcga acacacatcn cagagacaca cagac 155

<210> 39685
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942661H1

<400> 39685

ctagtcacca accaaacctc tgcattattc tcttctctca ctctctctaa gctctctttt 60
 agtcttactc acaaacactt ttttctactgc ttccattacg aacatatatt tattatatgg 120
 ctctgaact tgtccccacc gttgtgaaat ccagtgtgc gttcacgaaa cccgcgaccc 180
 ttccatggcg tgcctacgtg acattcctcg ccgaaaacgg tgactacgtg aaaggggtgg 240
 ttggcctcgc caaagggttg cgaaaggtga aaaccg 276

<210> 39686
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942662H1

<400> 39686

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 cgccggatgg gtacggaaag gatcgatc caccgccgcg ataccgtca gcgggatacc 120
 cgccagccgg ataaccaccg ccgggatc cgccacaaca aggctatcct ccgccgcct 180
 ccccgacgca agggatcct ccgccctacg ctctcaata cgctcagcct tcgacccgac 240
 aacaaaattc aactggccct gggtg 265

<210> 39687
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942663H1

<400> 39687

cactgaaccc ttcattgatg agttttgctt gactgatatg gatgaaacac tgaggggaagc 60
 tggttttgtg aacataacat caattcttac gagtcccaga cagctacaa ttacagcaac 120
 agcgccctcaa tgaaacatta tcttgagatt ttgtatttta ttttttattt ttcttcgtac 180

gtaaacaatct tcttgggttt ggcataaagc tagttagccc ttggtagatg tatgtccaat 240
tgaatagcgt ggtccaaaat cgattaaatt atgt 274

<210> 39688
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 700942664H1

<400> 39688

caatgagtta ttacaaccag cagcaaccgc cggtcggagt tccgccgccg caaggttatac 60
cgccggaggg gtacggaaag gagggatatac caccgccggg ataccgccca gcgggataacc 120
cgccagcggg ataccaccgc ccgggatatac cgccacaaca aggctatacct ccgccgcct 180
acccggcgca ggggtatacct ccgccctacg ctctcaata cgctcagcct ccgccccgtc 240
aacaaaattc aactggccct gggtgtttgg aaggctgtt 279

<210> 39689
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 700942665H1

<400> 39689

gctaaatcgg aaaccagaag aagagaattg tggggagctt gtttttggtg gtgctgatcc 60
tgctcactac aaggggcaaac acacttatgt accagttaca cgaaaaggat attggcagtt 120
tgacatggga gatgtgctta tttctggtaa acccactgga tatgctacta atgactgttc 180
agcaattgca gactctggaa cttctttgtt agctggcca acgactgtaa ttaccatgat 240
aatcaagca atcggagcag ctggagttgt aagcaaa 277

<210> 39690
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 700942666H1

<400> 39690

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 atagcggagg aaaccatata ttatcaagga tgggagagat agacgccact taattttttt 120
 catctattct caatcgatga aaagtgacca gtatatttct ttctataagg tatctgcttg 180
 tctacgggat agtatccact caattgttat gtaaattgta agaaagtgac gttaataaag 240
 gctatgttaa cataaaaaaa aaaaaaagg ggggccgc 278

<210> 39691
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942667H1

<400> 39691

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 agccagttcc agttccagtg tacaagccta ttccaaagcc agtgtataag cctattccaa 120
 agccagttcc agtgtacaag cctataccaa agccagttcc agttccagtg tctaagccta 180
 ttccaaagcc agtgtacaag cctattccga agccagtgtg taagcctatt ccaaagccag 240
 taccagtgtg caagcctata ccaaagccag ttccagtt 278

<210> 39692
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942669H1

<400> 39692

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 tcgaattcaa tcatcaatag gaataggga acccgtcct cctccaccaa tgaaggctgg 120
 aggaattgg atttctgaat ctggaaactt catccttggg cccgcacagc agatttcgac 180
 tggaagaact ttgcgaagaa aagttgccg atgagtaa atgtgggagatg attctataat 240
 gctcaatgtt gtgaatgtgt gtcctaatat aaaat 275

<210> 39693
 <211> 130

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700942673H1

 <400> 39693

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 gaaaatgtca agctncnggg gaaactgtgg tgnCGaaagc gcctgcaagg gCGgcaacgg 120
 ctgcggatgc 130

<210> 39694
 <211> 275
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942674H1

 <400> 39694

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 atcgggagcc tcgcggcggg tttggatctg gaattggggg agggggaatt gaatccaatt 120
 gaaccgttag ggtttggggc gcgggtgagg ggggttgcatt ttatgaagga agcgggtgttg 180
 ttaggagata agaagagcga gaggaaaaga ggaggaggga ggggtggtttg ggaagggttg 240
 atgatgatgg ggttgaaggg acaaagtaat aataa 275

<210> 39695
 <211> 274
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700942676H1

 <400> 39695

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 ttcctcagaa tcctcttctt caacctcttc atccttacia tatcagactt tgnancaccg 120
 gcactancgg ganccaccaa catcacccaa gggcatgaga aagcaggaca aggcacaacc 180
 tacaacaaac tcctcaaagc taggcaaata gctgaaagaa tcaattcaca gctaaacaac 240
 tcaaaccaag gcctaaccgt gtttgcacca ctga 274

<210> 39696
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942677H1

<400> 39696

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 ggcatttttg gtttccaagt tacaacaggc tcagattttg tatcaaaagc cattgatata 120
 gctgctaatt agattcttgc tgttgctact cctggacaag ttgaccaggc acagctggat 180
 cgagccaaac aggctaccaa atctgcaatt ttgatgaatt tggaatcaag aatgggttgtt 240
 tcagaagata taggaagaca aattttgaca tat 273

<210> 39697
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942642H1

<400> 39697

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 atatgagttt cacaaattta atcgagtatc aggggggtgaa gtgtatttca cgatgccaaag 180
 gttgcagtca attaccattc agtgtttgga tgcgcttcag tttttgcaca gtcttggact 240
 aatacattgt gacttgaagc cggagaatat tttgggttaag 280

<210> 39698
 <211> 286
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942606H1

<400> 39698

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 ttttggctta atggggatcc gaatgcgaaa aaaggtggtg aattagtttt tgggtggtgtt 120

09531113.032200

gacccaaagc acttcaaagg aaaccacact tatgttccaa ttactgaaaa aggttactgg 180
 cagattgaaa tgggagattt tttcgttga ggtgtttcaa caggtgtttg tgagggtggc 240
 tgtgtgcta ttgtggattc aggaacatct ttgcttgctg gtccaa 286

<210> 39699
 <211> 287
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942607H1
 <400> 39699

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 tgcagtgtta cattatttca tgagtaaggc atgtgcttta ttagaatggg tagtcaccc 120
 tctttaaaat acctttcctt ttgttataca cattgtttta aaggaacttc tatctcttaa 180
 agatttggtg tagtttcttt ttagtggtca tcgatattca atcatgttta acatttttgt 240
 tgccctcttg agccactaag gcttactatt aatatcttat tcgcctc 287

<210> 39700
 <211> 287
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942608H1
 <400> 39700

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 atagtaccct tttatcccaa gttacttaaa tttaaaacct ttattactgc tcatacttgt 180
 ttttcgcttt gttaagtttt aagaaaaatg gaggcacatt ctccagttat agccaagaag 240
 ctatggaatg tggtgaggat caccttcttc atgatcagga agggctt 287

<210> 39701
 <211> 288
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942609H1

<400> 39701

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 tgggaggagg caatgcccag aagtcaaaga tggctcgcga gaagaacctc gagaagcaga 120
 gggctgccgc taagggaagc cagttggatt caaacaagaa agccatgtct attcagtgc 180
 aggtgtgcat gcaaacatctt atatgcacca catcagaagt gaagtgaag gagcatgctg 240
 aagccaaaca ccccaaactct gatctccatg tttgttttcc tcatctta 288

<210> 39702

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 700942610H1

<400> 39702

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 ctttctctgc gtgatagatg tgtttctcct gatcttcagc tctggattct gggcttggtt 120
 gcaaaaaggt cattttttat tggettatga tgggtgcagg tttcagcaga taagtagctt 180
 agcttccttt ttcatatgcc ttgaagggtt ttgatgctgt ttatctgcac tttttgaacc 240
 ttattacctt tgtgttgcat ctgggtggtg ttttg 275

<210> 39703

<211> 283

<212> DNA

<213> Glycine max

<223> Clone ID: 700942611H1

<400> 39703

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 tgacatgaca ttacctagg acacacaagc cccaagttca ttttcaaaaa tcaaactccc 120
 ggggacaaag agaaaagaaa acttgactgg caagaggaag aatgcgagga aaaaaggatc 180
 gaatccgtct cctattcctc caacagaaat gacagaattg actgaagcaa tgatacttga 240
 atctaactg tcatggagaa gatccttaaa ttttgatata gga 283

<210> 39704
 <211> 281
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942612H1

 <400> 39704

 gaaggagcta aagccatgct tctgtggcta cctcaaaaac cctagcttga agcagtatgt 60
 taactctcct aatgccaaaa aaaccgtagg ttcttgtggt attgcctatc caacttggtta 120
 agcacctctt atatatatat ataaaatgtg tgaacaatat atatatattg attaaaaaat 180
 atagtttaat ttatatacac actttgatcc tataaaaaaca tcttgacaca agcattcaat 240
 agaatttcac cactttatca tgacatttta ctataatgat g 281

<210> 39705
 <211> 245
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942615H1

 <400> 39705

 gaagccaac tgcaatgtat aaatatacaca tgtttcctaa tactgagatg aataatatta 60
 tcgcttgat tatataaaga actttctagc cttatgatta gggtttaatt attgatatgt 120
 ttgcctttcc tcatttctga agctcttttc atatataata gcatgcacaa aagggatcta 180
 attcaattag ttgaacatgg tatgtgagtg atataaatct tttgataccg tcttcgattt 240
 ccatc 245

<210> 39706
 <211> 288
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942617H1

 <400> 39706

 ggtatctatg gacatgcctc cacatgggtca tgcacttgct tctgatggag aaatggaact 60
 gaactcaaac ccaggcccta caattccaca gggtgaatgt cttgtcactg gacatgaatc 120
 tgtctcacct caagaaaaac tgactcaacc tccaagtccc ttactgatgg agcatagtgc 180

tgatgataaa acatttcacg cactgtatca ccaatgtggt gtctatggac agttctaata 240
 gacactaaga tacctctgat ggagaactgg aacagagttc taccacag 288

<210> 39707
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942620H1

<400> 39707

tctgcatttt gattgattcc ctcattcttc atccatagac atggccaccg tcacttctgc 60
 agccgttgct attccctcat tcactggcct caaggcaagc gcaggcaaag tgagtgccgc 120
 agttaagtc tcagctcccc aagccacaag gttgggcac caggcttcgc tgaaagacgt 180
 tggagtcgct gttgtggcca ctgccgcgag tgcagtgtcg gctagcaacg ccatggccat 240
 tgaagtgttg ctgggtgggtg atgacgggtc tctggctttc gtt 283

<210> 39708
 <211> 70
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942621H1

<400> 39708

gagcatctat cacttgtcac aggactttga cttgattggc atccctttcc atttttccac 60
 acaacatacg 70

<210> 39709
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942624H1

<400> 39709

tgattacctt gatctttact tgattcattg gccatttaga ttgaaagatg gtgccagcag 60
 acccccaaaa gaaggagaag tattagagtt tgacatggaa ggggtgtgga gagaaatgga 120
 gaagcttgct aaggaaaacc ttgtcagaga cattggaata tgcaatttca ctcttataaa 180

gctcgaaaag ctgatgagca ttgctcaaat aatgccttct gtctgccaga tggaaatgca 240
 tcctggatgg agaaatgata agatgcttca ggcttgcaag aa 282

<210> 39710
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942625H1

<400> 39710

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 caaagctact gcttgcaatc ccacccatat tgaaatttgc tgaaatgctt tccctcaatg 120
 ttagatctgt gaattacacc aggggaagtt tcactcttcc cgggtgctcag ccctatcccc 180
 atcgcaactt ttctgaggaa gttgctattc ttgatggcta ctttggaag cttagtgcag 240
 gaagcaatgc ttatatcttg ggtggccaag acaaatcaca ga 282

<210> 39711
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942626H1

<400> 39711

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 atgaccatcg gcgctcaatc tgctggccgc atcgatgatg agctctacgc cgacgtcact 120
 ccccgacccg ccgagaactt ccgcgcgctt tgcaccggcg agaagggcgt agggcggagc 180
 ggcaagcccc tccactacaa gggctcgtcc ttccaccgag tgatcccgag tttcatgtgt 240
 caggggtggcg acttcaccgc cggaaacgga accggcgggc ag 282

<210> 39712
 <211> 283
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700942627H1

<400> 39712

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 cccacacaac atacgatttt acnctctcct ctctcntctc tcnctgcgtt tcaactgcaga 120
 accattacaa gctccggaga aaccgcaaca aaaaaagaaa aaaacacaca aatttaaccc 180
 aaaactgtaa cccagtatg ccattgcttca caccacacca ttgctcctct cctcctcctt 240
 ctctctattt tcttcttctc tctctccgtc accgctgcaa gaa 283

<210> 39713

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: 700942632H1

<400> 39713

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 agagactaga gacagacaga tcctgtgtgc acttggtccg atccaacacc atatcgatt 120
 tctctggatg ataagcttga gaaggggaaa gaaatatcgc catcacttgt tagagcaatg 180
 gaagaatcat tcatttcggt gatcatatac tgaccggact atgcatcttc acgtttgtgc 240
 ttagaagaac tcgtgacaat acttgaatgc agagataaat atgg 284

<210> 39714

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 700942635H1

<400> 39714

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 tacggttcta ggccacaaca ggtgtaggat atgaatatat gacgtgtagc cagatagata 120
 tattggtttc ttttgtaatt ttatgcattt ttactoctat acgtgtgcat tttattgttg 180
 ctctcctttg tataatgttg agggatttta atttaaggat actccagctg ctcagagtct 240
 cagttttgag gcaattcttt cttaggggaag tgactcagag t 281

<210> 39715

<211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942636H1

<400> 39715

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 ctcgttttcg gttccgattg cattgaatca aatctgagaa ccattctcat tgcccgtctg 120
 taatcatgtc aggaaagtat atcatttctg ctattcttgg atcatttgga gttgcatggg 180
 tttgtgatta ttatgtttca gagaaaaagc tatttgaggg ttctaccocct ggcactatta 240
 cgaacaatga gtgggcagaa gagactgaca aaaaattgca g 281

<210> 39716
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942637H1

<400> 39716

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 aacataccct ttgatgcaaa agctaaggca agtgcttggt gactatgcat tggccaatgg 120
 agagaacgag aagaacacaa acacatcaat cttccaaaag attgcaacat ttgaggaaga 180
 gttgaagacc cttttgccta aggaagtgga aggtgcaaga gttgcatatg agaatgacca 240
 atgtgcaatt ccaaacaaga tcaaggtctg caggtctta 279

<210> 39717
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942638H1

<400> 39717

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 attgttggtt atgtgtatgc ttccggcgat gggtgtggcc attcgcccag caaagaaccc 120
 tttttacgtg aagggtcgtg tctactgtga cccttgccgt gctggttttg agacctcagc 180

taccacctac attgctggtg ctgagattat gttgcaatgc aagagcaggg ttagcaacga 240
 gggtgtgtac acgaagaagg ggtataccga ctcaaccgga g 281

<210> 39718
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942639H1

<400> 39718

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 gaaaggacac gcacaacagg caggccactg ggatagtga gatgataggc ggcgagccag 120
 agagtacatc tgggaaagat gtccagagtg tggggccagg acgccagagct catgaggact 180
 ttgggtcgtg gcagatgcga gcgggcaaga ggccaccaga tttggcggtt tgggagcaca 240

<210> 39719
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942640H1

<400> 39719

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 tccggtctca aagccagcga ccgcgcctec tagccatgga agcaaaactc cagcctctcc 120
 ttctccagcc cgaagcccct caagttctcc agaacaatca gagtagcagc cgccgacgag 180
 accacagagg caccagcaaa agtagaggct gcaccggtcg gggttcacccc accagaactt 240
 gacccaaaca ccccttcccc gatcttcggg ggcagcaccg gcg 283

<210> 39720
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942641H1

<400> 39720

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agtttagcgat gtagcattca aggtgggaag gaacatcgat tgggatggaa tggcgaagtt 120
 ctgggtctccg atgaggctcg cagggagttc tccaatctcc gtcgcgcttt cgacgaggtt 180
 aactcccaac tccaaaccaa gtttagccag gaacctgagc ccattgattg ggattactat 240
 agaaagggaag ttggcactcg tttggtggat atgtacaag 279

<210> 39721
 <211> 286
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942604H1

<400> 39721

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 tgggcttctc tccccattca acttctccag aagagaaacg ggggagaaag atttggattt 120
 caaagtgcaa tactgtggaa tatgccactc agatctacat atgttaaaga acgagtgggg 180
 caacacaacc tatectctgg ttcctgggca cgagattgct ggtgtggtaa cagaagttgg 240
 aagcaagggtg caaaagttca aagttggaga ccgggtaggt gtggggg 286

<210> 39722
 <211> 212
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942554H1

<400> 39722

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 gacactgtca ctttgtcacc aatattagtt agcctttaat ttgaaactat cgaggagtga 120
 ttattacaga ataaaaatga tacttcttac aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
 gaggaaagaa gggaaagtag gaggaaaaag ag 212

<210> 39723
 <211> 220
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942556H1

<400> 39723

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gcaagttcga atcaatggcc agcgtcagc tcacagtaat agcgtcatcg atctctacgg 120
cgtcgtttgt agggcttcga tcttccgtct gttcaatttg ctatccacgg cgcattggatt 180
acaatcttgg caagtctctg cctcaaagag taccttccgg 220

<210> 39724

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700942557H1

<400> 39724

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ccaatcatgg cataccctcc atatcattca catcacacc tttctccagc tcctatatat 120
cctatgtggg gacaacctgg cagtcaaaca gccggtgtac agatttgggg ccatcctggg 180
tatcccatgt ggcatcctac agaaagttgg cactggaagc cttatccggg ggtgcat 237

<210> 39725

<211> 86

<212> DNA

<213> Glycine max

<223> Clone ID: 700942558H1

<400> 39725

cgaacgatga tgcattgtgc gagcattgtc tcggctccgt cctacgcgtt cccttttctc 60
tctggctccg cttccacaca acatac 86

<210> 39726

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700942564H1

<400> 39726

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gaatgaatat caaaggggaa tgatgcctcc taacacggtg tttggagatc caaagggcat 120
 ccccatccag cagaccattt acagggacac tctgtctcct ttcaactgcc cttactgcgg 180
 tgacaccgct ctactaccg tcagatcaaa gccagtccta gcagcatttg ttggatgctt 240
 tgt 243

<210> 39727
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942565H1
 <400> 39727

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 ttttttcgta gagcgagaga gaaaaaatg ttagggatct tcagcagttc cgtgggtgtcg 120
 ccgccggagg agctggtggc tgccggcagc agaacgccgt cgccgaagac gacagcgggg 180
 atagctgctg aaccggttcg tggagaacaa ggcgtcggcg gtgtcgctgc aggtgggagg 240
 acacgtg 247

<210> 39728
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942566H1
 <400> 39728

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 cggttggcta agtcagatcc tatggttggt tgtaccattg aggagtctgg tgaacacatt 120
 gttgctgggt caggagagct tcactctgag atctgtttga aggacttgca ggaggattgc 180
 atgggtcgag ctgagagtat caaatctgac cctgttgtgt cattcagga gactgttttg 240
 gagagatcat gc 252

<210> 39729
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942567H1

<400> 39729

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 gatggtgctc cctatttacg caaggtggat ttgaagatgt acaagagcca ccaagagctg 120
 ttggatgcac tggctaaaat gtgcagttca ttcaccatcg acaagtgtag ttcccaaggc 180
 atgacagact tcatgaacga gggcaaattg attgatcttc tcaacggctc tgattacgta 240
 ccaacctgtg g 251

<210> 39730

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700942568H1

<400> 39730

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 ctcttcactc ttggtcttgc gagagaaagc catgccagag acgaagattt ttggcatgct 120
 gtttggccaa acactcccat tccaagttca ttgcgagatc ttctaaagcc tggccctgca 180
 agtggtgaaa tcgatgatca ccctatgcaa attgaagaaa cacagtaccc ggaaaccttc 240
 ttctata 247

<210> 39731

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700942570H1

<400> 39731

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 cgaaaaagaa gactgagaga agagagatgg gcgtgacgaa ggaagaagtt gaatcatcct 120
 tgaaggccaa actgaaccct tctcatcttg aagtgggtga tacatcttga gggcgcggtg 180
 caagttttgt ggtggagatt gtatcagagc aatttgaagg caaaaggcta cttgag 236

<210> 39732

<211> 231
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942572H1

 <400> 39732

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 caaaaggaga atgatcacia ggaacctaga atgcatctgt gatgcttcta tagaatgggc 120
 tgctatgaac cttgcatttt gcgcatcgtg tggcattgta gggggaattc ttagaggtct 180
 gcttggttct ggaggtggag ttgtgtgggg agctcttctt ctagagactg g 231

<210> 39733
 <211> 66
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942573H1

 <400> 39733

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 agggggg 66

<210> 39734
 <211> 237
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942574H1

 <400> 39734

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 agcatgatag aagctgctga taaatattaa gtcgcaaact tgtatgtaaa agatgtagat 120
 gatagcattg gtgatgaaaa acttaaggag ctgttctccc ctgttggtac cattacctcg 180
 tgcaagggtta tgagagaccc aaatggctta agtcgtggat cgggtgtggt tgcattc 237

<210> 39735
 <211> 91
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942576H1

<400> 39735

caacatcaaa ctgtatgtcc gccgtgtttt catcatggac aactgtgagg agttgatgcc 60

agaatatctt agctttgtta agggatttgt g 91

<210> 39736

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700942578H1

<400> 39736

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ctgtatggct gctgctgatg tctgctctaa gtcacccag gattagatca ctgctgatca 180

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t 241

<210> 39737

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700942579H1

<400> 39737

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aattggcaag ataggtgcag ccctcagaaa ttgagtgggt ctgggagaag aagcatcacc 120

tgcaaattcg agagtgtgag actcagtaga gcatgcagtg tggcactgac taccttgctc 180

acaaccgctg cggatgatagc gtctgtggca gcagctgatg aaccgagac tctatccaac 240

at 242

<210> 39738

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700942581H1

<400> 39738

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 ctattgttac gtgacagtga ttgccagcac aatgtaggga ctagtgtat aaagattggt 180
 gaacctcaag gaacagcaaa tgataaagt attcaggaat gtgcaaaaga gactgggatg 240
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<210> 39739

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700942582H1

<400> 39739

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 ctcttccgt tacaaggaaa ttgagaatgg aatgctgtgg gaagttgagg ggaagtggg 180
 tgtaaagga gcagttgatg tagacattgg tgcagaccct tctgtgagg gtggaggaga 240
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<210> 39740

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700942584H1

<400> 39740

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 agagacagca ttttcttttc cacttctatt taattattac tactttaaat tcattcttta 180
 tatagctcaa cctatatctc agtcttcccc ggtccatctt gttcggtttc tgttccattt 240
 ct 242

<210> 39741
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942585H1

<400> 39741

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 taaacatgga tatggctaca ttaaactcttg agaagcttga agaagagatc aatgacaccc 180
 ttaataaatt acaggagact gaggggatga ttgtattgaa ggagaaagag ttggcaatgg 240
 tcag 244

<210> 39742
 <211> 239
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700942586H1

<400> 39742

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 ttaatcacgg ntcctaaaca ccacagaggt gtcaataacc gtgtagaaa cattaacatc 180
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<210> 39743
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942588H1

<400> 39743

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 gcatcttgaa ggagctcaag gatttgcaga aggatcctcc tacctcatgc agtgcaggcc 120
 ctgtggctga ggacatgttt cactggcaag ccacaatcat gggacctgct gatagcccat 180

atgcaggtgg tgttttcta gtttcaattc attgtcctcc tgactatccc ttcaagc 237

<210> 39744
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942589H1

<400> 39744

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 acaccagcac cctcagctga acaagaaatt gggtaacaa taccatctgg accagcacca 180
 gagcctgaat ttgtcgacag tggagaggct tgtggcctct atgggagagg ctctta 236

<210> 39745
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942590H1

<400> 39745

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 atcctcaaaa attgactgggt ctgcatttgc catggagaat aaaaataatg taaactcttc 180
 agctattgaa aatattggag ctagttagg agagagagta cataattcaa caaattta 238

<210> 39746
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942593H1

<400> 39746

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 aatattgggt catagaactg tttatcagag gcagcaaata agaagagtct atgaggaaat 180

tttccaggag gatcttgtga aacgcctaga gtctgagatc aaaggagact ttgagaaagc 240

<210> 39747
<211> 301
<212> DNA
<213> Glycine max

<223> Clone ID: 700942602H1

<400> 39747

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ttcaactcct ttgtattttg ccaggttttc aatgagataa acagccgaga aatcgaaaag 120

ataaacatat tcaaaggcat gtttgagagc tggatatttt ttacggtgat cttctccaca 180

gtggtgttcc aagtactcat agttgagttc ctggaacat ttgccagtac agtgccctcta 240

agctggcaat tctgggtgct cagtgtcgta atcggagcat ttagcatgcc tatactctgct 300

a 301

<210> 39748
<211> 288
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700942603H1

<400> 39748

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ttcctctgtc agcctccgcc gtcgcctccc ctccactccc tctaccattt ctcagcccga 120

attccttccc ctcaactcctt ctcatcggg ctcgttcacc ttcctctttt agttcctcca 180

tcgctcgtca accatggaag aagcttcctt tcaccgcaag cgcttcttcg caagtgtctc 240

cggcattcac tccctccaac gacgaatctg ataaggccaa actcgagc 288

<210> 39749
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700942553H1

<400> 39749

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aagtgttgta ggtgttggag caaacctgct agagagttcc atcagttaat ttccttaagg 120
tgagattga agaccatcca tacttggcaa aatcagttgg tgtgaactgc atcccagcct 180
ttaagttata caagaatgga tcgaggatta gagaaattcc aggatacaac cacgatgtgt 240
ttgt 244

<210> 39750

<211> 246

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700942519H1

<400> 39750

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tgtttcggtc tactcaacgt acagaaggac ggaagnagtt ttatgcaaaa ttagaggaag 120
agcagcaagc aatggaagct gagaagaatc aaagtgaagc taggaccaag gaagagatgg 180
aggggatcat ctancagcta aggaagagtc taacttgtaa agcaagccct atgccaagct 240
ttgacc 246

<210> 39751

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700942520H1

<400> 39751

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tttgaccgac acaaaggacc tagattatgg ctgctataag agttgtggcc aaaatgagca 120
agaagttgaa tctagttcac caattcaacc aagaaattgc cgaacaaaca ggaagcggcg 180
tggaacgac tttcaaagtg aaattctccc gagccttgct tctctgtcgc ggtacgaggt 240
aaccgaagat 250

<210> 39752
 <211> 102
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942521H1

<400> 39752

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 cttccatgct ctatattaca aggaaaacta gtttgctact ct 102

<210> 39753
 <211> 57
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942522H1

<400> 39753

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<210> 39754
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942523H1

<400> 39754

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 ctttgtcggt gggcttgctt gggccaccga cagcgatgct ctcgagaaag ctttctctca 120
 ttatggtgag atcgtcgaat cgaaggttat catcgatcgt gaaactggaa gatcgagagg 180
 gtttggaattt gtgaccttcg cctcggagca ggcgatcaaa gacgcaatcg aaggaatgaa 240
 c 241

<210> 39755
 <211> 96
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942524H1

<400> 39755

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ccaagtactt ggtccattc tcggagcaga ttccat 96

<210> 39756
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700942525H1

<400> 39756

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tggtttcaaa gcttttactc atcactgtct tcgtttttga tttgattgct tttggacttg 120
ccgtggctgc tgagcagaga agaagcaccg ctagtgttgt gacggacaat gaaaagaatt 180
ataattactg tgtctataac tctgatatag caactggcta tgggtgttga gcatttttgt 240
t 241

<210> 39757
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700942526H1

<400> 39757

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ggcaacggct gcggaggctg caagatgtac ccagacttga gctacactga gtcaaccacc 180
accgagacct tggatcatgg agtggcacct gctaaggctc aatttgaggg tgctgaaatg 240

<210> 39758
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700942527H1

<400> 39758

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ctattatggg cctaattcta gtgaaatata tgctaattggg tcagttcagg caacatccac 120
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 cactaaatgt cacagtttgg ataataca tctcagact gtttcagata tgtctattaa 240
 ct 242

<210> 39759
 <211> 94
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942529H1
 <400> 39759

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 gtgaccctaa ggtcttcttc gacatgacga tcgg 94

<210> 39760
 <211> 245
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942530H1
 <400> 39760

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 gttaccctcc ctccgctctt gcaacccttc tgaaaagctc tctctttttc atctcggtag 180
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 taata 245

<210> 39761
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942531H1
 <400> 39761

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ccatgaggtc acttgatgat ggagaatctt atagcgaagg ccttgatgtc aaatgatttg 120
 acagtttcaa tgggtgacaac agggagatag aagtgttaat tacattttttt ggttttttccc 180
 attctgttta gctttgttta gactcttttc aatctacgta agttcacagc aaaaagtttt 240
 ccttttaa 248

<210> 39762
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942533H1

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 catttggtcg gcacgaagc cgcacaacga gtgcgtggcc aacttccggt ggcccattgt 120
 catcatcggc atcctcatcc tctcgtttc cctggccggt tttgtcgggt cctactggaa 180
 caaacagggt ctctcgcgcc tctacctctt ctgtatggct ctctcatcg cctcctcgt 240
 cctcgggtctc gtcttcgcat tc 262

<210> 39763
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942534H1

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 cattttgcca tgacggggcga actccagata aaggttttga aagtaatgag aaattattaa 120
 ttcatccatg ttactggctt ggtttgaatc taaatcgtaa tgcacttgct ccagaggaag 180
 cagaggagat aaatgacgaa tatgatatta atattatttc agataattca gccattagaa 240
 ataaaacaat aggtcaaata actact 266

<210> 39764
 <211> 248
 <212> DNA
 <213> Glycine max

09531133-032200

<223> Clone ID: 700942536H1

<400> 39764

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tttgcttggt ttttgtgacc aacattgtgg cacatgattc agagattgct cctacaggtc 180
aattggaggc tggaactggg tttgatttgc ctgtttctaa ggtgatgatg tgttcttcag 240
tgttggca 248

<210> 39765

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700942537H1

<400> 39765

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tcagtatggt gttgtctgca tgggcagata tgtggagaat ctgtgtgaat gaactatata 120
agagtgaaaa tatagaatct gaagtgcgta ttgtgaataa tatgtaccaa gaagcgatag 180
aatggaagat gaagaggggtg aagatcgatg attaaccagt gtcgtgatgg tg 232

<210> 39766

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700942539H1

<400> 39766

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aataaagaat tccaactttg ctgtgggttac atggccaac tgggattgtc gggatgatgct 120
ttagtctgag tgccgattca agaagatacg gaagcctcct tacttcaacc gctggatcaa 180
cttaaggatt cctttccgtg aggtatttgg tgctgtgaag tgcaatctaa aggtagctgt 240
tg 242

0363134

<400>	39767
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<210>	39768
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<400>	39768
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<210>	39769
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<400>	39769
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15842

<210> 39770
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942545H1

<400> 39770

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 acggcgaaat cgttgaaacg caggtctgtt tgttgcaggc atcacatctg atctcacacg 180
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<210> 39771
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942546H1

<400> 39771

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 aagtttattg tctatcagaa gtcacaaga ccagcttatt tggttaatgtc atacatttaa 180
 attgtattgt ttttctttat gttcctgttc tttgtatcaa atagtttgta tgtgattttg 240
 att 243

<210> 39772
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942547H1

<400> 39772

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 ggctggatc attgggacac atgaagcacc tgtgtaatgt tcagtataga atgcacccat 180
 ccatcagctt attcccaaatt aaggagtgtc atgataagca actttctgag tcccctttgg 240

tcagagaagt gagcta

256

<210> 39773
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942548H1

<400> 39773

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 ctgcgccaaa tctatagaaa aaaaatattc ttgttttttt agcctgacat tctaaagtat 120
 tgtaatgcat ttgaaagata taaatgtata gcatatcgaa ctgggtttccc ctgccccagc 180
 agatgctgag atagcaaagt ttgatgttct tggctctgtc tgtgagtctg cagatttctt 240
 tg 242

<210> 39774
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942518H1

<400> 39774

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 aaagaatcct cgaaatgatt gaggccgagc aagctaggaa aggggtccaat catggtacct 120
 caaactcaca taacacctat ggcagcggaa gccagaatgg atcaaccatc aacagcggca 180
 atcatcataa caacggcaac tggatatgacg actcatacca ctatggtgaa cgccctattt 240
 ataacgacgg tactttca 258

<210> 39775
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942549H1

<400> 39775

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 gtcggtctgg cttagaaagt gctagcaact tccctctgat agccaatgtg cttgtaaacc 180
 cagcagcagg agaagtggct gtctcgtcag aacagaaggt ctatgatgtg gtgatgaagc 240
 aggcacacctt ggtaagag 259

<210> 39776
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942550H1

<400> 39776

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 aataccggtg gcgccggcaa aggccgcact aacatgcgcc gcaccggcaa gagtgatcct 120
 cagagcattt ggtatggccc tgaccgtccc aagtacttgg gtccagtctc ggagcagatt 180
 ccatcatacc tgaccggtga agtccttggg gactacggat gtgacactgc tggagtatca 240
 gctgaccctg a 251

<210> 39777
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942552H1

<400> 39777

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 agatgatgtc acacgtgctt gtaatcagtt gaaatcttca ctctgctcc acatagatgg 120
 aacaagtcca gtagctgaag atattgggag tcactactca cctacggcag aagaatccca 180
 tttgcagaat tgtttgctag aattgacgct gttgatgcaa gcacaataaa acgtgttgct 240
 aaccg 245

<210> 39778
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942482H1

<400> 39778

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 ggtttcaaga acaaggccac tgggaaaaca gtgagtatct tcattggagg accaactacg 180
 caatcttcaa caccagtcta cctgcacatg aattatcatt gatctgtaac aaccacaagt 240
 tgtatttgat cagtgcatt ttgt 264

<210> 39779

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700942483H1

<400> 39779

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 agccgcaaaa tgtctgtgac aactactaca gctgtgctga tagtgctact tgttgctgta 180
 tttttgagtt cggaatgct tgcttcgagt ggggttgctg tcctcttgag ggtgcttcct 240
 gctgtgatga ccactacagt tgctgc 266

<210> 39780

<211> 84

<212> DNA

<213> Glycine max

<223> Clone ID: 700942484H1

<400> 39780

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<210> 39781

<211> 55

<212> DNA

<213> Glycine max

<223> Clone ID: 700942487H1

<400> 39781

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<210> 39782

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700942488H1

<400> 39782

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cagctcatga ggaggctatg cttgccattg gagctttggc ctatgcaact ggtgctgatt 180

ttgcgaaata catgacagaa ttttacaagt acttgagat gggctctcaa aattttgagg 240

actaccaggt atgtgctat 259

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<212> DNA

<213> Glycine max

<223> Clone ID: 700942489H1

<400> 39783

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caaggcccta gctggagctg acaggaagga gttaatgaga aaattgcaa agtttatata 180

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gaatgctgcc atagatgatg 260

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<211> 262

<212> DNA

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<223> Clone ID: 700942490H1

<210> 39787
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<223> Clone ID: 700942493H1

<400> 39787

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<210> 39788
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 <212> DNA
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<223> Clone ID: 700942494H1

<400> 39788

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 cggaatctac cttctcaatc tcttgattgg ctttctctcc cctttgggtg atccagagct 180
 cgatccctcc aacgccccta tgcttccaac caaaggctcc gatgagttca aacccttcat 240
 tcgcccctc cctgagt 257

<210> 39789
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 <212> DNA
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<223> Clone ID: 700942495H1

<400> 39789

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 cgattc 126

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<212> DNA
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<223> Clone ID: 700942496H1

<400> 39790

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 tatgca 126

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 <212> DNA
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<223> Clone ID: 700942501H1

<400> 39791

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 ctacaccgtg ggagatactt cagggtgggc aattgggtact gattatagca cttggactgg 180
 cgacaagatc ttttcagtgg gtgatagtct cgcgttcaac tatggagctg ggcacacagt 240
 ggatgaagtt aaagagagcg attaca 266

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<223> Clone ID: 700942502H1

<400> 39792

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 ggaatacaga accttagaac tcaacatcat atccgcaaag gacatcaaga acgttaacct 180
 cttctccaag atggacgtat acgccgtcgt tacgctctcc ggcgaccctc tccaccctca 240
 gggcgccacc acccaggtcc a 261

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<223> Clone ID: 700942503H1

<400> 39793

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 acaaccccaa gcctacctca atacaacaaa atgccagaac tggaaaagca acttaatggt 180
 aattgcaaag tttttcactc tctcactact gccatttttc ctagttggct gctaaatggt 240
 aatttcaatg tgctt 255

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<223> Clone ID: 700942504H1

<400> 39794

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 gatgcactca gagaagcagc ttgtaactac agagatctga ggaaccttga atctgaagtt 180
 tcacacctatg aggacaatcc caaagagtca ttggctcaga ctttgagaaa gatacaagca 240
 ctgcaagaca ggt 253

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 <212> DNA
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<223> Clone ID: 700942505H1

<400> 39795

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 taagctttgg aggattgatg ggcaggctaa gatgggtagt gctattttga aggaagctag 180

gaatgttagg aggagtgagc tggatttgaa tcccacatct gctgatatgg ctaacaggaa 240
 ggaga 245

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<223> Clone ID: 700942506H1

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 tgaagaagat gatgatgac ttgatctctt tggatgatgag acagaggaag ataagaaggc 180
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 tgtcct 246

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<223> Clone ID: 700942508H1

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 tctcagagct aaattcccca acgccaaact tggccaggga tacggaatga ctgaggcagg 180
 gcctgtgcta acaatgtctt tagcttttgc tagagaaccg atagacgtga gaccaggtgc 240
 a 241

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<223> Clone ID: 700942510H1

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 tgtgaaacgg ataagttgac tcatttctat acattttattc taaggcctga tgcctcttat 180
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<223> Clone ID: 700942511H1

<400> 39799

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 ttatgatata ccgtctcttc taattatcag ttctaagaaa tttggaaatg tggctagata 180
 catgaatcat agttgctccc caaatgtttt ctggcagcca gtcttgtatg cagaaaataa 240
 tc 242

<210> 39800
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<223> Clone ID: 700942512H1

<400> 39800

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 aataccttgt ccctgctgat ttgactgttg gccagtttgt atatgttgtc cgcaaaagga 180
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 ct 242

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<223> Clone ID: 700942514H1

<400> 39801

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 ttgggggttg ggccactgta aaattggttg gtgccggatt atggcctcca aaattcttag 180
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<210> 39802

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700942480H1

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 caagtagctc ctaggaatca atatacagcc atttaacttt tagtgttttc tgaacaaatt 180
 gttcactgat tacacgatcg ttcatagtta ccccagatag acatggaatc aatatacttc 240
 ttggatgaat agc 253

<210> 39803

<211> 75

<212> DNA

<213> Glycine max

<223> Clone ID: 700942515H1

<400> 39803

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<210> 39804

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700942516H1

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 tctctccttg gagcctaccc atgtcgtgag ggacagacac ctgtagatgg gggagtagca 180
 tttttcaaata gttatatttc aacttgtgtg ccagttggag gatcagggga tatgttcagg 240
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<210> 39805

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700942517H1

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 tggcaagggtg acatctgcag gaatgtattt cttacatttt caagtgtata gaatggattc 240
 aacggtgaat gcgttacgat ggc 263

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<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700942424H1

<400> 39806

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 ttggtattca ggtcatccat attctcattg tctcctcaac tcacctcaca aaccaacatg 180
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 tcatcat 247

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<223> Clone ID: 700942425H1

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 aggatgatca agaagaagct acaattggaa gaggggtctca aagaggctgg tgagttgaat 180
 gaattaacca actgttctgt gaacaagacc ttctcctcta tgatgtgtat aatgc 235

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<223> Clone ID: 700942430H1

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 agtgaggtgt tgggagagca agcttcaagc agagatagcc cttaattagg aataatgata 180
 aactattaat gtgtagctaa aaccttatgt attatgtctg tgatggtttc gcgcgccact 240
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<223> Clone ID: 700942431H1

<400> 39809

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gtttacatta cagtccacta ctgcaaaatt tcccattaga accaca

226

<210> 39810
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<223> Clone ID: 700942432H1

<400> 39810

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gtgatatgaa gatggccata gatgatgctt tgaacgcctt ctctcctggt tccac 115

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<212> DNA
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<223> Clone ID: 700942433H1

<400> 39811

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ccttcgatta agtgcacact cctactctac caaaagagac gatgaagaca gggagcaact 180

cgcaaaggaa atttcgtagg attagagttc tgtttccgaa cgtagcatca 230

<210> 39812
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<212> DNA
<213> Glycine max

<223> Clone ID: 700942434H1

<400> 39812

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ccatctccag cagagtcgtt gcgcgcttg tgctttcccc gccgcacgca ctaggaaata 180

taactggagc gtcaaggcaa tccgcagaaa gaccaccgga actggcagga tgaggtacta 240

tgcgtaacgt gctcgcgga ttcaa 265

12271	12272	12273	12274	12275	12276	12277	12278	12279	12280	12281	12282	12283	12284	12285	12286	12287	12288	12289	12290	12291	12292	12293	12294	12295	12296	12297	12298	12299	12300	12301	12302	12303	12304	12305	12306	12307	12308	12309	12310	12311	12312	12313	12314	12315	12316	12317	12318	12319	12320	12321	12322	12323	12324	12325	12326	12327	12328	12329	12330	12331	12332	12333	12334	12335	12336	12337	12338	12339	12340	12341	12342	12343	12344	12345	12346	12347	12348	12349	12350	12351	12352	12353	12354	12355	12356	12357	12358	12359	12360	12361	12362	12363	12364	12365	12366	12367	12368	12369	12370	12371	12372	12373	12374	12375	12376	12377	12378	12379	12380	12381	12382	12383	12384	12385	12386	12387	12388	12389	12390	12391	12392	12393	12394	12395	12396	12397	12398	12399	12400
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<400> 39814

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 aattaactat ccacaagtaa aaagtatttg acagtacaca tctcatgttt aatacaaatt 180
 caacactcca tatcgagca gttcaaaaaa aaaaaaaggc cggccgcc 228

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 <223> Clone ID: 700942447H1

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<210> 39818
 <211> 79
 <212> DNA
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<210> 39819
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<223> Clone ID: 700942449H1

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<210> 39820
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942454H1

<400> 39820

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aacccccaaa ttgaacctaa gaactttaac cttgttgatc ctgttgaaag gacaactatt 120

ggagta 126

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 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942456H1

<400> 39821

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caagtccagt ggctttgatg gtgacaatga tctagatgcg gcgaaaattg cagccatgag 120

agctgctgaa ttggttaata ggaacttagt tgggcctgga tgcttgacta ctgaccaaaa 180

gaagaaaactg ttgtggggtg gcaaaaagag tacaccgact gaagagtctg gccatcgatg 240

ggataccggg atgttttctg atcg 264

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<213> Glycine max
 <223> Clone ID: 700942457H1
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 atggcaacta gacttcagtt tgaaaataat tgtgaagttg gagtcttctc taaacttacc 180
 aatgcctact gtttggttgc cattgggtgg tctgaaagct tctacagtgt atttgaagcc 240
 gagttagcag gtgttatccc tgt 263

<210> 39823
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 <212> DNA
 <213> Glycine max
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 ctgaaagggtg gacgaggtgg tcgtgtaact tgcattggcct cgtacaaggt gaagctcata 180
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<210> 39824
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 <223> Clone ID: 700942464H1
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<210> 39825
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 <212> DNA

<213> Glycine max

<223> Clone ID: 700942465H1

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 agtgcaatta gaatggctgt ccaattttgt cgaggactct ttctctggtg ggagcatcac 180
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<210> 39826

<211> 190

<212> DNA

<213> Glycine max

<223> Clone ID: 700942466H1

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<210> 39827

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<212> DNA

<213> Glycine max

<223> Clone ID: 700942470H1

<400> 39827

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 aatcttctgc tcccttttgc agttcccttg tgtttaactc cattttcact aatgtaacta 180
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<223> Clone ID: 700942471H1

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<212> DNA
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<223> Clone ID: 700942472H1

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gatgaacaat gttcaaaacg gaacatggca tggtcggggg gacacaatat gtataggtgg 180
atttagagat gaaagtaaag ctctctgtga gttacgtcct ccttctggtg tgtcc 235

<210> 39830
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<212> DNA
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<223> Clone ID: 700942473H1

<400> 39830

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ttcgccgtgt tccaaggctc tctcaaagtt cttggtggag tagacaccaa cttcactgtg 180
acagcaaaag cagcagagga cactgaattc ggagagctct atctcttcaa gtggaccact 240
cttctcatcc ctccaactac 260

<210> 39831

<211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942474H1

<400> 39831

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 gagtattcaa ttaggcacaa atgatgttgt tgtggctggg ggtatggaaa gcatgtctaa 120
 tgtaccaag tacctggctg aagcaaggaa aggatcacgc cttggacatg attcacttgt 180
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 tgctgagcta tgtgc 255

<210> 39832
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942475H1

<400> 39832

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 ggctatgttc cctaagaact actcttcaat gcacaatagc tgtggaagtg tcccctttcg 180
 cgtatcaaga atgatgagta tgctattaat aacaggatca taataattaa 230

<210> 39833
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942423H1

<400> 39833

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 tggaaaagtc gaatcggtat tccaaccctt ctgcaggag ttgctggtgc tggagctggg 180
 ttgatttaca agcatcagag aactcttcag tcttacaact gtgtattcta actatgacta 240

tgaatttcac gattgtcagc ggggtgcta

268

<210> 39834
<211> 110
<212> DNA
<213> Glycine max

<223> Clone ID: 700942476H1

<400> 39834

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tctataattt ttcgtattct aaaagggtttt cagagtcatt caattcttca 110

<210> 39835
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700942477H1

<400> 39835

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aaaactgaaa atcttcatca ccaggcacia gacttcagga attctgggac caaaattcgt 180

agaaaaatgt ggctgcaaac catgaagata aacctgattg tgttggcgat tttgat 236

<210> 39836
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700942390H1

<400> 39836

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tctaaaaaat cacgaaggca tggcagtga cgcaagaagt ctcggaagca tgcaaactct 120

cctgaatcag acaatgaaaa ccggcataga gacacaagag ggaccactgg gatgggtcca 180

ggaaaactgg ggggcatgag gacttttagac ggggagctct cggaatgat gctgagaact 240

agttgttctt tc 252

<210> 39840
 <211> 152
 <212> DNA
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<223> Clone ID: 700942394H1

<400> 39840

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 caatgcatcc atggtgggaa tccgtctaaa aa 152

<210> 39841
 <211> 134
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942395H1

<400> 39841

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 gtcaaagaca aacgagctct gactcgccgg aatctcaccg gaaagcaagt ctttctgaac 120
 ctgtcgtgct cgga 134

<210> 39842
 <211> 138
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942396H1

<400> 39842

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 cctaaccatg aatcatactg agagggttagt tactagtat tgaaaaacag tgttacatgc 120
 cattattcca cacaacat 138

<210> 39843
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942401H1

<400> 39843

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 tcttgcaata gccatacttc aagctgtggt tggaagtcaa gctgtcatca cagggacttt 180
 ctccataatc aaacaatggt ctgctatggg atgtttcccc aaagttaaaa taattcacac 240
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<210> 39844

<211> 116

<212> DNA

<213> Glycine max

<223> Clone ID: 700942402H1

<400> 39844

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<210> 39845

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700942403H1

<400> 39845

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 ggtatgataa atgatatgat gtgataggaa gagagaaaag ataggtgttg atggagcatt 180
 agtaattaaa ggggtgtctaa ctatcattgt tcgattaact tggaagtga tgtaagttgg 240
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<210> 39846

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700942404H1

<400> 39846

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gcacgtagct tcttgcagga tctggaaagg gcatgtagag atcatctgag gaggagatgc 120
tggggaattg gttttggttt aggcttccga gtgattgctt tggatccaaa ctttagaaag 180
ctatctgtgg aacatattgt ttcagcttat aagaggacca agcaccgagc aattcttttg 240
gattatgatg gcactatggt g 261

<210> 39847

<211> 214

<212> DNA

<213> Glycine max

<223> Clone ID: 700942405H1

<400> 39847

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ccctcctcgt gggggtctcg acaatgttcg tgggctagat agtatttggg gacgtgatca 120
tagttcactg cctgcctgtg gttcctgctg tggctgattg ttagagatcc aatgtgtgta 180
tatgcctttt atatgttacg gtttgtatct agtg 214

<210> 39848

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700942406H1

<400> 39848

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aggttgatta taagaaggag gagaagcacc acaagcatct tgagcacctt ggggaacttg 180
gtgctgcggc tgccggtgct tatgccttgc atgagaagca tgaggccaag aaagaccag 240
agcctgctca 250

<210> 39849

<211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942407H1

<400> 39849

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 aaattcagca ccataataag aatgtctgcc actgccaccc caccaccatc cacctccaca 180
 aagccagcaa gcagcaagaa gggcaatatc aaggagatcc tcgtgactcc aggattctac 240
 accactgact ttga 254

<210> 39850
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 <212> DNA
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<223> Clone ID: 700942408H1

<400> 39850

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 tacgtattcc atggctactt ccatgctaac tgctcgcaaa tccaccggtg gaaaggctcc 120
 taggaagcaa ctgcacacca aggctgcaag gaaatctgca ccgacaaccg gtggagtcaa 180
 gaagcctcat cgctatcgcc ctggaactgt tgctcttcgt gagatccgaa aatacaaaaa 240
 gagcacagac ttctgatccg c 261

<210> 39851
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942409H1

<400> 39851

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 aagattatgc gaacaatatg gttgtccttg ctgcatccat tgtgagcaaa tctggcaaag 120
 tgctagtttc tagacagttt gtggatatga ctgcataag aattgagggt cttctagcag 180

catttcccaa gttggtaggg actggaaaac agcacacgta tgttgaaact gagaatgtgc 240
gctatgttta ccagccaata gaa 263

<210> 39852
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 700942410H1

<400> 39852

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cagttattga taagtctttt ggctttgaca ctgctgttga ggaggctcaa cgagctataa 120
atgcagcaca tgttgaagct gaaagtgtag aaaatggcat aggtgttgtc aagttgatgg 180
gtagaaacag cggatttatt gcaatgtatg ctactcttgc gagtcgagac gtgga 235

<210> 39853
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700942411H1

<400> 39853

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tattaagggg acaagagaat cattccatat ttcttacttg ctaagatacc atacttcaga 120
atcttctcgg taactatttg gcttttgcct aagaccttat attttgcagg gttaagggtc 180
aatgaggtgc atagatatgg tgttacatag ctcatacata gtggcattat cgagtgcaca 240
atcagctctt tgatacaaaa attc 264

<210> 39854
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700942412H1

<400> 39854

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 ggtgttccac aaagttaa atataaaagc tatgatgtcc cttcagtttg ggtactccgg 180
 aatgtacatc atcaccatgg tttctttcaa gcatggcatg agccattggg tactctccgt 240
 gtaccgtcat atagttgcc ctct 264

<210> 39855
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942413H1

<400> 39855

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 atctcctact tgctgaagcc gaggcagcag actgcgatgc tgagaaactt aaatcaactt 180
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<210> 39856
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942414H1

<400> 39856

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 aggacagcat tcttttgctg acgactttcg gagagattaa ggagaggctt ccagagacag 120
 aggagacgtg tgcggtgtgc ctgagccagc tgagcgtgga ggacgaggtt agggagctca 180
 tgaactgcta ccacgtgttc cacagagagt gcatagacag atggtttagaa aacgaacacg 240
 agaatcaagg cgccacgtgt cc 262

<210> 39857
 <211> 265
 <212> DNA
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<223> Clone ID: 700942415H1

<400> 39857

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 cccctcagcc atgtccttgc aaccaaactt ggtgctcgcc tcacagaggt taggaagaat 180
 ggcacctgtg cttgggtgag gccagatggg aagacacaag taaccgtcga gtactacaat 240
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<210> 39858

<211> 191

<212> DNA

<213> Glycine max

<223> Clone ID: 700942416H1

<400> 39858

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 ccaaccgtta tggctgcctt cagcgggtgat gaaacggcac cgtttttcgg cttccttggc 120
 gccgcagctg cctcgtctt ctctgtatg ggagctgcct aatggcgag cgatagatgg 180
 cgtgggcgtc a 191

<210> 39859

<211> 157

<212> DNA

<213> Glycine max

<223> Clone ID: 700942389H1

<400> 39859

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 aacagttacg ttatttccag gccaaatagc tatgtgttga tggagatgga acagttccta 120
 tagatcagcg aagctgatgg cctcgagcag gtgctgc 157

<210> 39860

<211> 268

<212> DNA

<213> Glycine max

0936

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agcaatattg	ggtcacagaa	atgttcatca	gaggcaacaa	atcagataga	tttatgagga	180
aatttaccaa	gaggacctca	tcaaacgcct	agagtctgag	ctctctggtg	actttgttaa	240
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<213> Glycine max

<400>	39861
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gcagagtcc	atgcaactct	gttttttagtg	ttcgctgggtg	ttgggttcagc	catcgcttac	180
aacgagctta	caaaagatgc	agccttggat	ccaacggggc	tgggtggcagt	agctgtggcc	240
catgcatttg	cactgtttgt	aggtg				265

<213> Glycine max

<400>	39862
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attcgtctcc	tgatcttctc	tcctggataa	cgttttcggg	ttcgagaagg	cacttgtggt	180
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15874

002220"ETTES0

<211> 115
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<213> Glycine max

<223> Clone ID: 700942422H1

<400> 39863

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ggctgtggcc gttcttggca gcagtgaggg tgtcactgga actattcact tcgat 115

<210> 39864
<211> 96
<212> DNA
<213> Glycine max

<223> Clone ID: 700942331H1

<400> 39864

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catctgggca acaatgatgg catgaatctc tcagcc 96

<210> 39865
<211> 66
<212> DNA
<213> Glycine max

<223> Clone ID: 700942332H1

<400> 39865

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catacg 66

<210> 39866
<211> 189
<212> DNA
<213> Glycine max

<223> Clone ID: 700942333H1

<400> 39866

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ggagagatag ggattcgaac cctcgatagt tctttgttcc gaactatacc ggttttcaag 120

accggggcta tcaaccactc agccatctct ccaaagctaa tttatatttt atctttattc 180
cacacaaca 189

<210> 39867
<211> 174
<212> DNA
<213> Glycine max

<223> Clone ID: 700942334H1

<400> 39867

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tctctcccca attggccctt ttatttgata gtttgatggc acttgatctg gttt 174

<210> 39868
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700942336H1

<400> 39868

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atggtgcgag tggcgctgga tggtaacccc atcaagccac ttacgatctg catgatcggc 120
gctggcgggc tcacggggtc gcacctctgc ggaagctcat gtccgaaacc cctcacaccg 180
tctctgccct cgacgtctac agcgacaaga tcaaacaact cctggatccc gccgattccc 240

<210> 39869
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700942339H1

<400> 39869

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ctgggtctgc cgggtggcggc gacggtgaac tgcgccgaca acaccggcgc gaagaatctc 120
tacatcatat cagtgaaggg gatcaaggga ggctgaaccg gttgccgtca gcttgcggtg 180

gtgacatggt tatggccacc gtcaagaagg gaaagcctga tctccgtaaa aagggtgctcc 240
ccgccg 246

<210> 39870
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700942340H1

<400> 39870

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ccatttgcgt tgaaccaaca tgagcaacag aaaagacaag aatgatgatg agtctagtga 120
gagaggtata ttttcacatc taggatatcc agtgcaccac cccctaccc tctccacat 180
ggataccac catcaggcta tccacctoca ggagggtatc cccaacagc ctatccgccg 240
ctgggaggat at 252

<210> 39871
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700942341H1

<400> 39871

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catataaaaa catgacaaa atggacatgg aattctcatc atcttcccct taagtttatc 120
ttcattatta tattggttaa tttgaagctg cagtacagtg gtaagtaacg gaaaatgggg 180
ttgcacatgg tggctgtggc gaagtccac ttgcgatgtt gccagacaca gtgtaggccc 240
tgtggtggct t 251

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<211> 211
<212> DNA
<213> Glycine max

<223> Clone ID: 700942347H1

<400> 39872

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 cctctctctt caaggagggg agcatacagt agcgctcagt gtacgaccag aaccctgatg 180
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<210> 39873
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942348H1

<400> 39873

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<210> 39874
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942351H1

<400> 39874

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 tacatcatta cataccctcg tcaatgacat gtttccacac aacatacga 109

<210> 39875
 <211> 188
 <212> DNA
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<223> Clone ID: 700942355H1

<400> 39875

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 ctctggggag tctcgttttg taggaggtct agttggggct ctcgccctt ttgctcacat 180
 aaatataa 188

<210> 39876
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 <212> DNA
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<223> Clone ID: 700942357H1

<400> 39876

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 gccacaagag ccttctccag agtgatgctc ttaccagtat attctggaga ccagtgtcta 180
 cccaagagaa cctgaatcca tgaaagaact gagagagttg acagcaaaac acccatggaa 240
 catcatgaca acctctg 257

<210> 39877
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 <212> DNA
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<223> Clone ID: 700942358H1

<400> 39877

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 tgagagggag attaggggac tttggtttgg caagctttac acgcacgggg aggttccac 180
 aacaaacgtt tgttgggaac cttgggcact tggcggcgga tctggccacg g 231

<210> 39878
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 <212> DNA
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<223> Clone ID: 700942359H1

<400> 39878

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 tcgtgatcca tcaaatagtg cctgttgaga aaa 153

<210> 39879
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 <212> DNA
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<223> Clone ID: 700942360H1

<400> 39879

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 tgaggggttcg ttgaaagtgg cttctgaggg agaagaaaca gggagatcca ttccttatct 120
 atcatcaagc attgccagta cattttcctt caaatacaag attcgaaggg cagaatgcac 180
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<210> 39880
 <211> 118
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942363H1

<400> 39880

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<210> 39881
 <211> 187
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942364H1

<400> 39881

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 agtgaaagga cttctgggga ctttgcaaac atgcttgctg cagctcatgc attttcatga 180
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<210> 39882
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 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700942365H1

<400> 39882

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atgaacagta aacgatgtat tttttaacaa aaaccagaaa a 101

<210> 39883

<211> 106

<212> DNA

<213> Glycine max

<223> Clone ID: 700942367H1

<400> 39883

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acactgcata ttcctcaaag cctcatcaaa ccacactgca tccaaa 106

<210> 39884

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700942370H1

<400> 39884

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gcattatata cccagtagga ctattgcact acatgaagct tactgtagca ggcacaatgt 120

tgtttgtcag catgctggct gtggagtttt cttaggattg aggagtccaa gaaccacatt 180

cactgtgaca gatgtgatca ggcgttccag caggtagaat tagaaaagca catgaaagtt 240

tttcatgag 249

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<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700942372H1

<400> 39885

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acgagcaaat gttgattcga gggacaatcg gccttgattg acaataacac ggcacagagc 180
ctgactgggtg aggatataga agccatgcga agacaagggtg cgggaggtaa tgaaataaat 240
gaagctctca t 251

<210> 39886

<211> 217

<212> DNA

<213> Glycine max

<223> Clone ID: 700942373H1

<400> 39886

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agtcattcgc aggcatttga attgagtgat atttcctgac taaattaggt gttgccagag 180
agaacgttga tgacacagct aggtgactgc tcagatt 217

<210> 39887

<211> 123

<212> DNA

<213> Glycine max

<223> Clone ID: 700942329H1

<400> 39887

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catgccagag acgaagattt ttggcatgct gtttggccaa actctcccat tccaagttca 120
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<210> 39888

<211> 81

<212> DNA

<213> Glycine max

<223> Clone ID: 700942374H1

0953413.032200

<400> 39888
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gcatattctg tcttccacac a 81

<210> 39889
<211> 85
<212> DNA
<213> Glycine max

<223> Clone ID: 700942376H1

<400> 39889
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tcctcccttt acgatttgac ttcgt 85

<210> 39890
<211> 165
<212> DNA
<213> Glycine max

<223> Clone ID: 700942377H1

<400> 39890
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tatgcttcca ctgtccaaag atgattggga cctaagcaag gagta 165

<210> 39891
<211> 153
<212> DNA
<213> Glycine max

<223> Clone ID: 700942378H1

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agaagggctt ttgagatgtt tgtgtgggag aaagaaggga gtgggttgcac caccgccaaa 120
gggttgcaaa ggatgttgca tcgccttggt gag 153

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<211> 153
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942380H1

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 aataatgtac gagcagaact gttccaagat tcattggggtt tgagcagtag tgaaacgtgg 120
 aacatgagcc accatcaagt ccatgctctt cct 153

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 <211> 195
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 <213> Glycine max

<223> Clone ID: 700942383H1

<400> 39893

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 aatgcattag cagtaactgt gatctcctca gttgcttggga ttggatatgc ggtatacttc 120
 aaggctacag atcctttcaa tgagcgctgc aaagtgcttg gatcatcact gcattctggg 180
 acattctagc atttg 195

<210> 39894
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 <212> DNA
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<223> Clone ID: 700942385H1

<400> 39894

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 agcatggttt ccagcctctc aagcttacia gagctagtgt ccggtccaaa ctgtacagat 180
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 caatatgttc 250

<210> 39895

<211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942386H1

<400> 39895

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 cccatttgag gctgtgaagg tccgtgtcaa actcagcctg gttttgcaag gggtttgtct 180
 gatgggctcc caaaatttgt cagatctgaa ggaaccttag ggctgtacaa ggg 233

<210> 39896
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942387H1

<400> 39896

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 tgaagcaaga tcttcttggt catgctgtga agttttttct gtcgattgga gtccagatgg 180
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 tttttgga 248

<210> 39897
 <211> 253
 <212> DNA
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<223> Clone ID: 700942388H1

<400> 39897

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 atgctatcaa atttaagatg gatgacactg tgagttgtat gattttgacg atgagaatga 180
 agagaacaaa tttgatttca aaaaaattgt gagtgaaaat tgggtcgagc caccaagaag 240

agaacggaag cgc

253

<210> 39898
<211> 87
<212> DNA
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<223> Clone ID: 700942261H1

<400> 39898

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attgcgtatt ttgatgttga tccttat 87

<210> 39899
<211> 59
<212> DNA
<213> Glycine max

<223> Clone ID: 700942263H1

<400> 39899

gggtcttgca cttgaagttg aagtcttgcc cttctctctt caactccaca caacatata 59

<210> 39900
<211> 90
<212> DNA
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<223> Clone ID: 700942264H1

<400> 39900

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taggagggta tctttgaggt gaaagccact 90

<210> 39901
<211> 104
<212> DNA
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<223> Clone ID: 700942265H1

<400> 39901

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104

<400> 39902

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<400> 39903

cagaagccac agttcgagcc actgtgg 87

<400> 39904

tttatactgg ataatctagt attcttatgc 90

<400> 39905

gcagtctctc aaggatgcc gagacttcac tatgttctct acttttgccg tcaaatgacc 60

aatgctgctg ttgctactgc tgtc 84

<210> 39906

<211> 87

<212> DNA

<213> Glycine max

<223> Clone ID: 700942278H1

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atcagattgt gtgattcaca cccacaa 87

<210> 39907

<211> 86

<212> DNA

<213> Glycine max

<223> Clone ID: 700942279H1

<400> 39907

ggcagtacga aatccaaatg cagaacaagc aacaagtagt gttagtcttg tgtatgtaga 60

tgctgtagag ccgtctgata aagatg 86

<210> 39908

<211> 88

<212> DNA

<213> Glycine max

<223> Clone ID: 700942280H1

<400> 39908

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ttgttttccc gggtcccgcc catagttc 88

<210> 39909

<211> 96

<212> DNA

<213> Glycine max

<223> Clone ID: 700942281H1

<400> 39909
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 tatgcttggt agttgccgtt tccttgtaat cttaaa 96

<210> 39910
 <211> 109
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942282H1

<400> 39910
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 agaaaggat attagaaaag ataaaagaga agcttcctgg ttatcactc 109

<210> 39911
 <211> 89
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942284H1

<400> 39911
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 ttgtcaataa gcaagagcaa tacactgtg 89

<210> 39912
 <211> 85
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942289H1

<400> 39912
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 gtcaagaccc tcaccggcaa gacca 85

<210> 39913
 <211> 85
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942291H1

<400> 39913

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<212> DNA

<213> Glycine max

<223> Clone ID: 700942292H1

<400> 39914

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ctttcttagt gcctccttgc cagaag 86

<210> 39915

<211> 86

<212> DNA

<213> Glycine max

<223> Clone ID: 700942293H1

<400> 39915

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gaaagattat caatttgaga cgattg 86

<210> 39916

<211> 85

<212> DNA

<213> Glycine max

<223> Clone ID: 700942294H1

<400> 39916

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ttgcaatcga ccccgcttat ggcca 85

<210> 39917

<211> 87

<212> DNA

<213> Glycine max

<223> Clone ID: 700942295H1

<400> 39917

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tcctaaacct accctcagca agccggt 87

<210> 39918

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700942301H1

<400> 39918

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agaaaaaatg gtgaagattt gctgcattgg tgctggatat gtgggggggc caacaatggc 120

agtcattgct ctgaagtgcc cctccattga agtgctgttg ttgacatctc caaatcccgg 180

attgcagcat ggaacttctt ccagcttctt atcaatgacc caggccttga tgggtggcgtg 240

aagcaatgtc gtggca 256

<210> 39919

<211> 248

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700942303H1

<400> 39919

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nnngggatgn ggntctggct ctgcggctac gccttcgagt gcgtgcttca catggcgctt 120

gtgtgcntcg aattccgaac cagaattggc gattcttctc tcacactacc tatagcgtn 180

tgangaggct agagcctatg agcactctgg caacatcggt ttgggtgggtg tttggatttt 240

attggatt 248

<210> 39920

<211> 255

<212> DNA
<213> Glycine max

<223> Clone ID: 700942304H1

<400> 39920

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gattggtaat ggatacgac cagtccttga ctgccacact tctcacattg ctgtgaagtt 120
ttctgaaatc ttgaccaaga ttgacaggcg atcggttaagg agcttgagaa ggagcccaaa 180
tttttgaaga atgggtgatgt tggatatggtt aagatggttc caaccaagcc catgggtggtt 240
agaactttct ctgag 255

<210> 39921
<211> 89
<212> DNA
<213> Glycine max

<223> Clone ID: 700942258H1

<400> 39921

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caaggccaaa ggtgggtgatg tgtcatggc 89

<210> 39922
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700942305H1

<400> 39922

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gccacgtgga acgcttgaag ttgatctgat cagcgccaaa ggaatcgatg acaatgattt 120
tctctccagc attgatcctt atgtgattct cacatcaggg cacaggagaa aaagagcact 180
gtgcaagaag atgctggatc caagccacaa tggaatgaga gctttctttt cactgtctct 240
gacagtgcac c 251

<210> 39923
<211> 253

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700942306H1

 <400> 39923

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 gcgccgggtcc ttcttcgtcc accaagaagc cgaagcgatt cgagatcaag aagtggaatg 120
 ccgttttctct ctgggcttgg gatattgttg tgataattgc gctatctgcc gcaaccatat 180
 catggatctc tgtattgagt gccaggccaa ccaggctagc gccactagcg aggaatgcac 240
 tgtagcttgg gga 253

<210> 39924
 <211> 196
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942307H1

 <400> 39924

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 attcggacaa ggaggaatgt gaggcattca acaaaggcag aactccttcc aaagtgcattg 120
 ttagaaactt ttaatatatta agaggccatg cttaaagaag agacatcaaa gaaggttcatt 180
 tgagttgggc ttttat 196

<210> 39925
 <211> 256
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942308H1

 <400> 39925

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 ctctaagtga agtattcttc aaaaaagaag gatctaagtc atgctcttgc ccatactctt 120
 gcccttgctc acgaaatacc aaccaattc attgaaagat tctataaaaa tcaaggtaat 180
 ggtgaacaaa tcaaataata agattgtgtt ggccgaagca gatggagatt ttgttgattt 240
 tcttttcagc ttcctc 256

<210> 39926
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942309H1

<400> 39926

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 ggagcattct ttgccacaac aatacattca tttgttcaag aatgagcact ttgaaacaac 120
 tcttgctgct cattctggag gttaaattga ttgcaatttg gacttttgga gtctctatctt 180
 atattttaat cgttttgga tactgtggga gtggcttcaa tttgttggtt cgtcaattca 240
 tttaaaaca cagtcac 257

<210> 39927
 <211> 215
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942310H1

<400> 39927

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 taagcctgtc acaaactctg agccgttacg ccatgtgtag gtcatatacg tatgaggtga 120
 tcgagatcgg tcagttccta tagaatcagc gaggctgatg gtctcaatcg atggcaaagg 180
 ttggcgtgcc cgatgcgcat cagcgtattc ttccg 215

<210> 39928
 <211> 156
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942315H1

<400> 39928

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 tgcctattgt ggtcactgtg gtttcactac tgtgcctttt ggaacgtgct aacgcagcat 120
 cttactccgt tgcaggacct gggggatggc ccttca 156

<210> 39929
 <211> 119
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942316H1

<400> 39929

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tggatgcatg ttacttggct cttcctgcc a gtctacaaag gacgcatgca ttatgcatg 119

<210> 39930
 <211> 221
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942318H1

<400> 39930

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gaaaaaggat gaagaagaca agcctcatcc tcaggaggag gtcacgcca ccgagtttca 120

aaaagtcact gtctcagacc aaggagagaa caagccagcc tcttagaaaa gcttcaccga 180

tctgacagca gtcctagct ctccaagtga ggaggagga g 221

<210> 39931
 <211> 201
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942319H1

<400> 39931

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ccatggatgg taataattca gatacccttc agcataaagc agcagttaag gatatcaatgc 120

ttgaaaagag tccaccaa at gagagagtgc atacaattca gatttgctag aaacacctaa 180

agttaaggac cgtccgtaaa a 201

<210> 39932
 <211> 262

<212> DNA
 <213> Glycine max

<223> Clone ID: 700942321H1

<400> 39932

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 gatgattcat aactgttaa ggtatgtgat tttggccttt cacgtacaat ggcaaacaca 120
 tttctttcat ctaaaaccgc taccggaact cctgaatgga ggcacctgaa gtcattcgag 180
 gagaactgtc aagcgacaaa tgtgatgtat tcagctttgg tgtaatcttg tgggaactag 240
 tgaccctgca acagccatgg ag 262

<210> 39933
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942323H1

<400> 39933

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 gtcattgtag caataatggc aatgtggggc accacatggg ccccatgggt cagatggggc 120
 caatggttca gagaggtcca atgaatcaga tggcccaatg gaccatatga ggaatatgaa 180
 catcaatatg cgggcggtgc aaggattacc ggcagccacg gccgcagcag cgatgaacgg 240
 tggttactac caa 253

<210> 39934
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942324H1

<400> 39934

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 ctttcttagt gcctccttgc cagaagttaa aatggcccaa gaaactttcc tattcacatc 120
 tgaatcagtg aacgaggggc accctgacaa gcttgtgacc agatctccga tgctgtgctc 180
 gatgcatgct tggagcagga ccctgacagc aaggttgctt gtgaaacctg caccaagacc 240

aacatgggtga tgggtttt

257

<210> 39935
 <211> 171
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942325H1

<400> 39935

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 gatccgaacg atgaagagag tattcggcgt caagaagaac aaggatcctc ctccttccat 120
 tcaggatgct tccgatagga ttactaaacg aggtgctcgg tggatgacaa g 171

<210> 39936
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942326H1

<400> 39936

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 tgttgatagg tgcagggact tgtatttttg ggacattaag attggtgatg gagctaagat 180
 tgggtgcttgt tctgttgtgt tgaaggaagt gccaccaagg actactgctg ttg 233

<210> 39937
 <211> 179
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942328H1

<400> 39937

ggaattccgc tcgaggttgt tgactaggtc tttcaatggt gacgtattga atcgccataa 60
 acagaccccg ttgatgttg ctgtgatgca tggaaagact ggttgtgttg agaagcttat 120
 tcatgccgga gcaagtatat tgatgtttga ttctatacgt cggagaactg cttacacta 179

<210> 39938
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942181H1

<400> 39938

gtttggacga ggctgcggat tcagcaccca cgaccgcaca gtgtctcgtc gccacgtgtc 60
 cttcgaactc gaccattcac actcagagga tgctaagtct aggggtttctt tccaagtcac 120
 ggggaagaac cccttttggg tgtacgacgg agaagcgctt cggctcttca gaaagttcga 180
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 cactcttact aatat 255

<210> 39939
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942182H1

<400> 39939

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 ttttcaaggt aaatcaaata ctaagagaac tcagtagaga gtggccaggg agttcatatg 120
 atctgctgtc caaaaactgc aatcactttt gtgatgaatt ctgtgaaagg cttggtgtac 180
 caaaacttcc aggctgggtg aataggtttg ccaatgctgg tgatactgcc atggaagtgg 240
 ctggaaatac agcatta 257

<210> 39940
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942183H1

<400> 39940

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 aacattatgt atggtttata taccaccact caagtctcct cactcctgat tttctttgta 120
 tggaggcatt gctgtttctt ttaattgttc ctatgggatg gtgtctaatt attaactgta 180

ctcaacgacc tgtttgattc taaccaataa agattgatga actgttctaa aaaaaacaaa 240
 taaaataaaa a 251

<210> 39941
 <211> 124
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942184H1

<400> 39941

gtcttgtctg ctccatctcc taaaccttgg ccgcactagc ctcctaattg tagtgattgt 60
 gatccacttt tcaagaaggc atatgaaatg cgtgatgctg atgctgtttt ccacacaaca 120
 tacg 124

<210> 39942
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942185H1

<400> 39942

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 aagtctccaa caagcaaagt acaggggtga tttggaaatc caggtcccca cccattcga 120
 cagaaatacc gaggcgagag aatcggatgc ccccgagca aaggagtatg tgcatattcg 180
 aattcagcag aggaatggga agaagagtct gaccacagtg caagggctga agaaggagt 240
 cagctacgag 250

<210> 39943
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942188H1

<400> 39943

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gaactgcaga tcttggacct cagcaaaagt ttcaagctaa ctgatcggtc actctatgag 180
 ctgcgcccttg gttgtcgga tcttacaaaa ctcaacatca gcgggtgttc agcatttagt 240
 gacaatgct 249

<210> 39944
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942189H1
 <400> 39944

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 aacatgatgt gggaatggga cgattaccaa gacaccatcc ccaaacacga cctaccccaa 120
 cccgatcccc acctcaaatt cgattttctc tccgccctct ccaggcccaa ggattattac 180
 aagatactgg aagtggatta cgacgccacg gatgacgcta ttcgctcaa ttacattcgc 240
 ctgcgctga a 251

<210> 39945
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942190H1
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 aggagtttct acccaaagtt ctgattggaa tggatatcag gcactgtct acttacctga 180
 gaggagcatt catccacctt ctacatttgt catgaacaac ccagcaattg atacaaatgt 240
 ttacat 246

<210> 39946
 <211> 249
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 <223> Clone ID: 700942191H1

<400> 39946

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 catgggcatt gctcccaacc agatagacac agtgaaacgc gatgatgctg caaacttaac 180
 tgaacaagac ctcttcgaga taccaacagg aaccgggacc atggaagggtc tcagattgaa 240
 tacaagggt 249

<210> 39947

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700942192H1

<400> 39947

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 ggaggaccct ttggtgcgag ccaaattgat gaaggtgaag aaagcgctgt gcgaggaaac 180
 ggaagtgggtg aagcagctag atgctgagag aagggcggtt aaggaaacaa cacgatcgcc 240
 atctcaatc 249

<210> 39948

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700942193H1

<400> 39948

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 tgcttgctcg tctccgcatt gaggataaac atcgttcatc tcaaaaacac ttgcaaaaat 180
 ctgattctca ctctaaggcc tatcttggtg agagctctag caaacctttc tctaagtcct 240
 tcaaaag 247

<210> 39949
 <211> 129
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942195H1

<400> 39949

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 atatttcata tatatcctat ggtccgtgag tgcccttggt ctgtaccaac cttttcttcc 120
 acacaacat 129

<210> 39950
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942196H1

<400> 39950

aagaaagaga agcaaggaga aagagaaggg ttagaaggcg aagaagcatg gcttcactca 60
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 aagggtgata tgatcttctt cttccaagag tctcatgcat gctactttct tctctcttct 180
 cggggaattg aagcgttggt gtccgattgt ttgctagatc aagcaaatta acctgtatac 240
 tggtttatat atct 254

<210> 39951
 <211> 95
 <212> DNA
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<223> Clone ID: 700942203H1

<400> 39951

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 cgggagcgtc caagacgtat cctcagcagg ctggt 95

<210> 39952
 <211> 103
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942204H1

<400> 39952

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cctatgtaag atacgaatga gaatgaagaa acagacttgc tct 103

<210> 39953

<211> 93

<212> DNA

<213> Glycine max

<223> Clone ID: 700942205H1

<400> 39953

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gtggtatcaa ctaccagcct ccaacagtgg tac 93

<210> 39954

<211> 78

<212> DNA

<213> Glycine max

<223> Clone ID: 700942206H1

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tatatgcctc ttcttctg 78

<210> 39955

<211> 93

<212> DNA

<213> Glycine max

<223> Clone ID: 700942207H1

<400> 39955

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ttggtggtgc tactcgcggc gagtgtggtg gtg 93

<210> 39956

<211> 92

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<212> DNA
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 <223> Clone ID: 700942208H1
 <400> 39956

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 tgagggacag aaattttctg gttggtgact tc 92

<210> 39957
 <211> 93
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942209H1
 <400> 39957

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 ctgggtcgctg ggtcacataa ccgcaatgag cta 93

<210> 39958
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 <213> Glycine max
 <223> Clone ID: 700942210H1
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 taaccccagt cactgaggct cctgcaacag aat 93

<210> 39959
 <211> 89
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942211H1
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gccaaaacgt tgaatgtctt gttcctgttc aaatcatcct tttgaaattg tgaatccaca 60
 taattgagat gcttaattca tttgtattt 89

<210> 39960
 <211> 88
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942212H1

<400> 39960

ggccaattct cggcaaaaca tcaggaactt ggtaaggat gggtttatca tcaggaagcc 60

aaccaagatt cactcccgt cactgtgct 88

<210> 39961
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942180H1

<400> 39961

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agatagatgg ctggcccaat tatgagacct cagattgtgc tatttggtc ctccataatt 120

caaatgagct tcgacaatgg tgggtggggg gctattctag ctaacttgta cgctaggaag 180

gcggacatca tcttaagagg atactctggt tggaattcaa ggcgggcttt ggagggtttg 240

ga 242

<210> 39962
 <211> 87
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942213H1

<400> 39962

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caaaaaccac cactccgcac cacataa 87

<210> 39963
 <211> 110
 <212> DNA
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<223> Clone ID: 700942218H1

<400> 39963

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cattgattct gtgttcgac cggtgagcga attcgcaaag gacagcgtga 110

<210> 39964

<211> 92

<212> DNA

<213> Glycine max

<223> Clone ID: 700942221H1

<400> 39964

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ctctcttcat tgtcgcagac acaaagcagc ac 92

<210> 39965

<211> 92

<212> DNA

<213> Glycine max

<223> Clone ID: 700942222H1

<400> 39965

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tattctcttc ctcaagttcc atatttctgt at 92

<210> 39966

<211> 93

<212> DNA

<213> Glycine max

<223> Clone ID: 700942223H1

<400> 39966

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gggaaagatg tggtgtgggg ggtcaatttg cat 93

<210> 39967

<211> 93

<212> DNA

<213> Glycine max

<223> Clone ID: 700942224H1

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acaccagcaa atgtctagcc agtcattgga gaa 93

<210> 39968

<211> 92

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<223> Clone ID: 700942226H1

<400> 39968

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taagaaaact aagaagaccc atgagagcat ca 92

<210> 39969

<211> 91

<212> DNA

<213> Glycine max

<223> Clone ID: 700942227H1

<400> 39969

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tcctccgaca ggctgatatc tttcgtgcag a 91

<210> 39970

<211> 81

<212> DNA

<213> Glycine max

<223> Clone ID: 700942230H1

<400> 39970

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taccgctaga gttgattcgg a 81

<210> 39971

<211> 91

<212> DNA
 <213> Glycine max

<223> Clone ID: 700942231H1

<400> 39971

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gatctcccaa aaatagtga tgaatctgat g 91

<210> 39972
 <211> 79
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942232H1

<400> 39972

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cccggttccc gcccatagt 79

<210> 39973
 <211> 98
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942235H1

<400> 39973

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gaggagtgcc gatcagcaat gagatgatta agcgaatc 98

<210> 39974
 <211> 89
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942241H1

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ggctatgact ttctattaat taatacaca 89

[illegible]

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<400> 39976

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<400> 39978

15909

<210> 39979
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 <212> DNA
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<223> Clone ID: 700942250H1

<400> 39979

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gagttgagtg aagagaggct tcctggttat ca 92

<210> 39980
 <211> 90
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942255H1

<400> 39980

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aagagggtatt ctagatatct ttcttccatg 90

<210> 39981
 <211> 251
 <212> DNA
 <213> Glycine max.

<223> Clone ID: 700942115H1

<400> 39981

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ctccactccc cgccggcaac cgcgccggcg ccgggggttca aactgtccc tcttgtccca 120

gtaaccccaa gtggggcccc tacaccacc accatcatcc ctaagggcc caccattgac 180

atagtccaaa tcctaagaaa agccaaaagg ttctcagtc tctcgcct tctcaaaacc 240

acacaactca t 251

<210> 39982
 <211> 212
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942118H1

<400> 39982

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tctttctgcc cttttctccg tcacgctgtg cgtgtccgga tctttatgga tttgatccag 120
atctacacgc cgatggtgct tttggccggg tctttcatag atctggtgcg tagttgctca 180
gatctactgt accgcggtgc aacagagtat cg 212

<210> 39983

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700942121H1

<400> 39983

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cgagcaggtg ttttcggcaa tggaggcgaa ctacgaggcc tgggtgaacg gtttcgcgcc 120
gctgtcgggtg ggagcggatg ttcccgcggc ggtgcgggag ttttcccgga cgctgttcaa 180
catgaggccg gacatctcgc tgttcgtgtc gcggacggtg ttccacagcg acctgagggg 240
gattctgggt ctggttaacg tcccct 266

<210> 39984

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700942122H1

<400> 39984

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aggttctgag ggataacatt cagggaatca ccaagcccgc gattcgccgt ctggccagac 180
gtggtggcgt caagcgtatc agtgggtctta tctatgaaga aactcgcggt gttctcaaga 240
tctttctaga gaacgtcatt cgga 265

[illegible]

<400>	39985
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<400>	39986
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<400> 39987

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15912

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 aaggaagctg ctgagatgaa caagaggtct ttcaagtatg cctgggtgct ggacaaactt 240
 aaggctgagc gtgaaagagg aat 263

<210> 39989
 <211> 264
 <212> DNA
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<223> Clone ID: 700942134H1

<400> 39989

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 aatctgaatc atgtcgtggc aagcgtatgt cgacgatcac cttctgtgtg acatcgaagg 120
 taaccacctc actcacgctg ctatcatcgg ccaagacggc agcgtttggg ctcagagtac 180
 cgacttcctt cagttcaaac ctgaggagat aactgccatc atgaatgact ttaatgagcc 240
 tggatcactt gctccaactg gatt 264

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 <211> 216
 <212> DNA
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<223> Clone ID: 700942135H1

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 gatgtgggtg gctcatgtat agtgcaattt ggttctgaca gtgagtatat gagtgattta 180
 gttggaagac gtggggcaac atgccagcct gattct 216

<210> 39991
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942138H1

<400> 39991

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 aaaatgaaaa agtgcaaccc gagccacact tgtcaggctg gtatccaggt cggaaatgct 120
 tgctgggagc tctactgcct cgagcacggc atcgggcccc atggggcaa at gccaagtgc 180
 aagacagttg gcgggtggtga tgatgctttc aatactttct tcagcgagac tgggtgctgta 240
 aagcacgtgc cacgtgcag 259

<210> 39992

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700942140H1

<400> 39992

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 tcatgtccga aaccctcac accgtcctcg cctcgcacgt ctacaacgac aagatcaaac 180
 acctcctcga accctccgat tccccctggg ccggccgcac caccttcac cgcctcaaca 240
 tcatacacga ctctgcct 259

<210> 39993

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700942142H1

<400> 39993

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 tgactccgat tccatttcgc aaaatcccga acccgacaac accgtaatcc atacttcccc 120
 catacacgag ggtgaaaacg agatttcaac tgtccccgaa cctaaacctg aaccgaacc 180
 tgaacaattc caattacaac caccccaagc agaagatccg agccgtttca tcaactcctag 240
 tgacttaacg c 251

<210> 39994
 <211> 204
 <212> DNA
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<223> Clone ID: 700942145H1

<400> 39994

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 cttcgatatg agtcccagga ggactggagc cgggaaggct gtaggtcggc ttcgtcgagc 180
 gctgattggg aaatggactg gcat 204

<210> 39995
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942147H1

<400> 39995

gcagtctcat tccttgcaac tgtacctttg ggagaattat tctttttcca tatgatcctg 60
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 cctgggcctt cagtttatgg ggggtgaacag cagagtctac catcgtctcc tactagttca 180
 gctgtcactg caatgagtgg aagaagctcc gttggaatga gtatacagta caaaggtgcc 240
 tgggtgtacac cgccaag 257

<210> 39996
 <211> 263
 <212> DNA
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<223> Clone ID: 700942149H1

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 gcggtggcag tgacctactg caagcgcggc cgaggcctca ttaagatcaa cggctgcccg 180
 atcgagctgg tggagccgga gacccctcgc ttcaaggcct tcgagccaat cctcctcctc 240

ggtcgccacc gcttcgccgg cgt

263

<210> 39997
<211> 263
<212> DNA
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<223> Clone ID: 700942150H1

<400> 39997

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gtctgtgaag aacgtgtcta aagtatttgg attgaaatca tcttccttta gagtgtcagc 180
gatggcggtg tataaagtga agctgattgg accagacggt gaagagaatg aatttgaagc 240
ccctgatgac acttacattc tgg 263

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<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700942151H1

<400> 39998

tgttcctccg ctcaacaact ataataacat ctttctttct ccgaacagat cacactatgg 60
ccacctcaag cgccaaatca gtccatgatt tcaccgttaa agatgccaag ggaaatgata 120
ttaatcttgg tgactacaaa ggaaagggtc ttatcattgt caatgttgcc tcacaatgtg 180
gcttgactaa ttcaaattac actgagctca gtcagttgta tgagaaatac aaacagaaag 240
gtctggaaat tctggcattt cca 263

<210> 39999
<211> 104
<212> DNA
<213> Glycine max

<223> Clone ID: 700942152H1

<400> 39999

ggggttgggc tcgaggtcac tcaactgggag cgttgttgtg agtgaggag agggttcctg 60

ggctgagcgc gaagttgaga cgtcttgagt ctgtgcgtag gatt 104

<210> 40000
<211> 115
<212> DNA
<213> Glycine max

<223> Clone ID: 700942155H1

<400> 40000

gtgtgctcgg gattgggctc gagcagtatt tgataatgcc accagagttg agccagaacg 60

acctcatcaa tgggggtgttg atgctgctga agtagattgt tttccacacg acata 115

<210> 40001
<211> 253
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700942158H1

<400> 40001

tgctctagtg tctctcactt taactatctt cacaaccat agaaaatgaa ataattntg 60

ntntcattgt aacatgtctt cctcagaggg tgtctttgaa caggggaattg agttctcaga 120

agccaacaat gttcttctca tgtctctaata ggaagaagaa caagaagaag agtactatgg 180

cgatgataga cttgtgagca tgattcaatc attggaggca gagatcactg aactgaaat 240

gggtcaaagt tat 253

<210> 40002
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700942163H1

<400> 40002

ggtattcggc tcgagcaaaa gctgatggag catttgcaat ttcagaagat acatggaatg 60

aacctctagg gcgtggaact gagattagat tacacctaca aggaagaggc tggggagtag 120

ttgcaggagt ctaaactgaa agaattgggtg aagagagact ctgaatttat taacttcct 180

atctatatattt gggcaagcaa agaggttgat gtggaggttc ccgctgatga agatgattcc 240
 agtgatgaag aggattcatc tgaaagcag 269

<210> 40003
 <211> 216
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942164H1

<400> 40003

caggagcaga aagtaccagt gtcgacgcat atgggaattc ttttcatttc acaacaaagt 60
 tcttgcaactt agcatggcac ccaactgaga attcaattgc ttgtgctgct gcaaatagct 120
 tatacatgta ctatgcttaa ggcagataga tgattgcaca gcatgtattt gctttcgttg 180
 acctgttttt aggttgctgt ggagaaggct tcttta 216

<210> 40004
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942165H1

<400> 40004

gggatttctc tgcggtgtat gcctcacctc tctgttcatg gctgctctca cttcctttgg 60
 ctcttttcag tttagtccca ttttgttttc aaccatgtcg atggctagta attcatcagg 120
 gaattctact tttcctaag atatcaacaa ggttacacgt tcggactgcc agtttaagct 180
 taaggaaact gagagattag aggattctaa gaggcagcaga gagcaaaaata acgatgagag 240
 agtctcattg ctttattcag c 261

<210> 40005
 <211> 228
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942114H1

<400> 40005

gttggcatat aatcgaggaa tgtctttttg tcatttattc tttgaagaaa gagttgtaga 60

aggacctcta ctcatTTgtt gtttacattg cttacatttg tttattgatg ataaaatttg 120
 tatctgggat gcgccaacaa catcatacac acgaattaat agattgatct tctccaccta 180
 aaaagaaaa aactgatggg caatgctaaa ggccaatctt gtggagag 228

<210> 40006
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942166H1

<400> 40006

cagtactga acccaatgag atgactgaat tcgctaaacc tactgggtgtt gccattcctc 60
 caccagaatc tgctgagtat gcgtctgtgt cggcccccaa gttgaattca ttggaagaga 120
 cttcagtga ggataatggg aactctttta atgacgctaa gcatgttggt ggggtaattgt 180
 caaactcgtc gttgttatct gatgatgctg gagaaatcgt gcaaattcca ttggatgat 239

<210> 40007
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942172H1

<400> 40007

gaagattcgt ttgagagctg aggatgttca agggaaaaat gttctgacaa acttttgggg 60
 aatggatttc acaactgata agttgaggtc cttgggtcgg aaatggcaaa ctttaattgt 120
 ggctcatgtg gatgtcaaga ccaactgataa ttatacgttg aggatgttct gcattggctt 180
 taccaagagg cgtagtaatc aggtgaagag gacctgttat gcacaatcaa gccaaagtcag 240
 acagattcgc ag 252

<210> 40008
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942179H1

<400> 40008

ggttattgga agaattctgaa aggtactagc tagctagcta gtagctctac actgtgaggt 60
 agcctcatga ggaagcgcca agtagttgtg agaagagagg agcctcaaag gagcgctagg 120
 acggtgacgt acggcgagtg ccagaagaat cacgccgcga atgtgggagg gtatgctgtt 180
 gatggctgca gggagttcat ggcgagtggc gccaccggag aaggaacaag tgctgctctc 240
 acttgtgccg 250

<210> 40009
 <211> 137
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942048H1

<400> 40009

agactaaaca gtaaacagcc gtctacacgt agtacgatgg aagtgctaga ggctacaata 60
 aaggtagctc aaagacactt aaggcatctc gaacttgatg tgtgcgtcgg tgggtacatt 120
 tggattgtca tctatct 137

<210> 40010
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942049H1

<400> 40010

gcaccacatg caaaaaaggc tcatccctgg ccggatcact tttatccgct gcacgttgct 60
 attggtgctg ctggtgaaga tgcaaaggcc aaacttatcc acagcagtat tgaattgggc 120
 agtctctctt atgcctctta cagttttacat cagccgctag ctgaatttct taatacagaa 180
 tagcttctgt tcagttgcat accctggctc aaaacacagt tatccaatat gtatgaaga 239

<210> 40011
 <211> 197
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942065H1

<400> 40011

aagggttgctc cttcattcac gcccttgctc tcttcaaac tattttcttc ctctgctcta 60
 tctatctctt gttattgttc cctctcaagc caatcaccat gccttctcct tcagatcacc 120
 accgtcccca accaaaacct aatccaacct cctttgctct gttcctcaaa ccaatcatca 180
 tgctccttct cgactcc 197

<210> 40012
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942066H1

<400> 40012

gaacggcacc gttttgaaga ggaagcgacc cgctaggttg gacattcccc tttcctctct 60
 cacctttgcg gttccgcccc cgccctccgc ggcggcgcgt gacttggtcg aggctgagga 120
 agatgggttt ggggtgtatg caagagaggc aggagggagt acatggagga tcgttacacc 180
 gctgggaata atcttcgcgg agaacacaaa ctggcttttt ttggcatatt tgatgggcac 240
 ggtggtgcaa aagct 255

<210> 40013
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942067H1

<400> 40013

cttgagatc agcacttcat ggctactaca gaccctgaga acaaatcacc aactctgccg 60
 ctgtctccag ccgaagtgga ttactctaaa gttgatgtga tcctaagatt tctgttgctg 120
 gcagcatcgg tggtggcgct gcagtgattg tctccagtga tcaaacagag caagtgtctt 180
 tccaagatgt gcttctaccg cagccagcca agttcaaata ctcaccagct ttggtatatt 240
 ttgtggctgc attcag 256

<210> 40014
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942072H1

<400> 40014

taaaaatcta aatccctttt ggtcttcac tttgcctctg acccaggtat ggcttcgaaa 60
 cgcacacctga aggagctcaa ggatttgcag aaggatctct ctacgtcatg cagcgcaggt 120
 cctgtggctg aagacatgtt cactggcaag ccacaatcat gggacctgct gatagcccat 180
 atgcaggtgg tgttttctta gtttcaattc attttctctc tgactatccc ttcaagccac 240
 caaaggttgc tt 252

<210> 40015

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700942076H1

<400> 40015

gtgcttggat gtactttgct actggaaatt cgctcgtaacct taagcttgct acggctcctg 60
 gcctggccaa gcatgctggt gccttctggg gagggcctga ttatggagta ctcagctggg 120
 ataacaagct tgctgggctc aggttcttct gagtcgtttg aggttattct tgagtcctcg 180
 gtatccatat gaagaaattt taaagacctt tcacaaccag acaagcataa tcatgtgctc 240
 ctatctacca g 251

<210> 40016

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700942077H1

<400> 40016

cgacagaata acgacttcga agtagttgat gaagggcttc tgataatttg gggaaatcag 60
 atgtgatttt taagatagtt ggatcagatt attgtggttt cattacacgt ctcatttgat 120
 tgatattagg ttatgcatgc tatgcgagat gtatatggca gcaactgcagc tagatggatt 180
 tgccgaaata tactagggac atttgaatct tgcaagcctt ttctggctta tctctaactg 240
 atgtcaattg gg 252

<210> 40017
 <211> 189
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942081H1

<400> 40017

ctagttctag atcgcgagcg ggcgcctttt tttttttttt tgaaacaagg cttgggaggc 60
 gagagctttc aacgttacaa ggggtaaaat tcccatttgg cccttttttt atacaaaaac 120
 ttgaaactct ctctaggctt catattcaga tatctccata aataggcagg gcttccagtg 180
 acgggtttt 189

<210> 40018
 <211> 72
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942082H1

<400> 40018

gagagagcca ggaggagat cgttgacgct ccatcaagat gggatattct agggattcca 60
 cacaacatac ga 72

<210> 40019
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942088H1

<400> 40019

attgaattgc agcagaaaat gaaggatttt ccttcttggt ttggtgaaaa tggagttcaa 60
 gtggcggatt cttcgtcttc aagcgctaataaaaagtgcc agaatgtggt tacctgtggt 120
 tatcaatgca ggattgggggt atttcctgcc tgattactgt cacgtggagt aagaatttga 180
 tggggcaagg ccttggcggt gggatcgacg attcatcaag ccagagtctt tgtaagggtg 240
 atatcaaacc gtgggg 256

<210> 40020

<211> 250
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942089H1

 <400> 40020

 aaacctctca ttttctctct ctctctctct aaacacagat ttcatttcca attctctatc 60
 tctagaaaat gggaacaaca attcttcgtt cccacgattg cctccaaggc cggttcctcc 120
 acaacgaagc ctttgcatcg ccgcacacg tgtcgcatcg cgaagaaact ctaatcctaa 180
 caataatagc ttgcctcct ccgccaaacc aaaccgctgc cggaagcgga gtcctgtcat 240
 taatcgagac 250

<210> 40021
 <211> 251
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942092H1

 <400> 40021

 aaaaacttgt tcctttacag tagtttatct ttgcagtgtc ttaggtgttt gttttaccag 60
 ttatatattg aagtgtccgc cgatttcatt tagccgtagc cttcaaaact gggttcttga 120
 tcggttgtaa catttcgttg ctgtttgttt ttgatgagta ctgttttttg ttttgatggg 180
 aaaagtctga gatattcaaa ttcacaagca gccatagggt tttagtccat atcctttgct 240
 gctgaggagg g 251

<210> 40022
 <211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942095H1

 <400> 40022

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 catccacaca ctcttacatt tccggagggt acaacgaaat ggctgatatt ctcgtaaacc 120
 taacgtctct ggccacgaaa tgggaaggct agtttcagaa ggttacgttc tcaccgtttt 180

ggctccaaac gacgaagcca tggcgaagtt aacgacggat cagttgagcg aacctggcgc 240
accggaacag ata 253

<210> 40023
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700942096H1

<400> 40023

attggctctt gttggtgtgt ttgatccgta caatcgaggg gcaactgttta ctgcactggt 60
tgtcatatat gcacttactt cggggattgc tggatacacc gcaacttcat tctattgtca 120
gttgaagga acaactgggt taggaatctg ctgttgactg gatgcctttt ctgtggacct 180
ctgtttctga ctttctgctt tctaaacact gttgcaattg cttacaaagc tactgctgcc 240
ctccc 245

<210> 40024
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 700942101H1

<400> 40024

ggccaattct cggcaaaaca tcaggaagtt ggttaaggat gggtttatca tcaggaagcc 60
aaccaagatt cactcccgtt cacgtgctcg taggatgaag gaggcaaaga ggaagggccg 120
ccactccggt tatggtaaac gtaagggtac aaggaggga aggcttccca ccaagatact 180
ctggatgaga aggatgcgtg tgctcagacg gttgcttcgt aagtacaggg aatcaaagaa 240
aattgacaag cacatgtacc atgatatgta catg 274

<210> 40025
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700942103H1

<400> 40025

ctcgagccgc tcgagccgtt gagattctga gtaacaatca aagtttggaa aaaagttttg 60
 agggaagaag agaccacgat gctgggtgtg accactctta ctctgggttc gtccaccaca 120
 ttggtggctc agaaccatgc tcaacaacat gccaccactc ttgcctcagc caatggaaac 180
 agaagggaca gtgtttccaa caggactcac cccttgcta tgagtttggg atcttcacc 240
 gaccaaagtt tcagctttct ctcttcttc 270

<210> 40026
 <211> 208
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942104H1

<400> 40026

gtgaattgga ctcaattaca ctaccagtga agtctggtag ccgtattggg tctgggaatt 60
 actgtgtggt tgttggctctt ggaacacgca agagggactt gtcactcatc gtttgacact 120
 ggcagtggat ctcaattgga ctcaattgga tccatgtact cgttcttggg acaagcaaca 180
 cgatgctatc tgtgatccat caaggtct 208

<210> 40027
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942105H1

<400> 40027

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 aactgcaagg tctctgtcaa cattgagcaa cagagtcctg atattgctca aggtgtgcac 120
 ggccacctca caaagaggcc ttaggagatt ggtgctggtg accaaggta tatgttcggc 180
 tatgccactg acgagactcc cgagctcatg cccttgagcc atgtccttgc cacgaagctc 240
 ggtgccaagc tcaccgaggt tcggaagaa 269

<210> 40028
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942106H1

<400> 40028

ggcgtcttca taaacgcctt tcttctccgt ttccgtttcc tcgttogaat tcgctttttg 60
atctgcgaaa atgagagagt gcatctcgat ccacattggg caggctggta tccaggtcgg 120
aaatgcttgc tgggagctct actgcctcga gcacggcatc gggcccgatg ggcaaatgcc 180
aagtgacaag acagttggcg gtggtgatga tgctttcaat actttcttca gcgagactgg 240
tgctggaaag cacgtgccac gtgcagt 267

<210> 40029

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700942108H1

<400> 40029

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cagctcaagg cttcaagaaa gagagaacca caaccacatc catagccata accacccttc 120
tcctatgaac tctccaacaa gcaatgtgag caactgcatg agcagcagca acagcaatgg 180
catccaaatc ccaacaccac cactcactcc caaaaccatt ccagatctg attccaaccc 240
ttaccctacc acttttgtcc aagctg 266

<210> 40030

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700942109H1

<400> 40030

gtcaggactc ggtatcgctc gccaacgtca agccattgtg gatggactga gggacagtgt 60
gcttgctttc tctgagaacg tgcttgggac aacagctaaa gatgtcatgg acatggtgct 120
ggtgactcaa tactttgaca ccatgaaaga gattggagca tcttcaaagt cctcatctgt 180
tttcatacca catggtcttg gcgcagttaa ggacattgcc atgcagattc gggatggtct 240
gcttcaggcc accacttcac aga 263

<210> 40031
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700942110H1

<400> 40031

tcaagattca ggcataatctt tgcaaacggt tttggaactt ggaccaactg tgccattgtt 60
tggtgtgtgc atggggttgc aatgcattgg agaggctttt ggagggaaga ttgttcgttc 120
tcctcatggt gttatgcatg gaaaaagctc tatggtttac tatgatgaga aaggagaaga 180
tggattactt gctggactat caaatccttt cttggctggt agatatacaca gccttgtaat 240
tgaaaaagag agctttcctc 260

<210> 40032
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700942111H1

<400> 40032

tgcaggaaaa atggtttcgc tgaaactgca gaagcggctc gccgcgagcg tgctcaagtg 60
tggcagagga aaggtttggc ttgaccccaa tgaagtcaac gaaatctcca tggccaattc 120
tcgccaaaac ataaggaagc tggttaagga tgggtttatc atcaggaagc ccaccaagat 180
tcactctcgc tcacgtgctc gtcgaatgaa ggaagccaag aggaaaggac gtcactctgg 240
atacggtaag cgtaagggtta caa 263

<210> 40033
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700942112H1

<400> 40033

gaacaattcc gtgcagggga atattcctga ttcaagctat gaagcaggac ttgaattgtc 60
ggttcaatct tcaggtttgg gtaaccagga atcggaatc gaacctgcca aggagtgcct 120

taagatgaca aggaggatgg gtccttcacc aaccaagaat gctgctaact tatcaattac 180
 attatcaaag tttgtgcctt ataggaccga aatagaatgg tacaaagctt ggtgtcacca 240
 gcaagttgat caaatgggat a 261

<210> 40034
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942113H1

<400> 40034

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 ggtgttggag gctatggtga agtctacaag ggcattcttc aagatggcac tgttgtggct 120
 gtcaagtgtg ccaagcttgg caaccccaaa ggcactgacc aagtcctcaa tgaggttcgc 180
 atattatgcc aagttaacca ccgcaacctt gttggttgac ttggttgctg cgtggaattg 240
 g 241

<210> 40035
 <211> 164
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942044H1

<400> 40035

gtggatttgt tttgttatac catgtaaaca gtgaagagat gaattttgtt gcatagagtg 60
 ctctctttta gtaactatgt agatttcacg taacatggaa tacacactct gcgtgttgac 120
 aaatacgaag ttttgcttat tttggactcc aattgaatgt tgga 164

<210> 40036
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941990H1

<400> 40036

gtgataattg actttccagg tcgtattgtg ataggtcttt ttggaaaggc tgttccaaaa 60

actgcagaaa actttcgagc tctttgcact ggtgagcttg tttcttctgc ttctatgcat 120
 tggtattttc atataattag agaacttctt tcaatccttg tattggggtt catcttcagc 180
 tgtgttacag aaataagtga ataaatagat tcaactcaatg taagaactga tgagtaacat 240
 ttg 243

<210> 40037
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941991H1

<400> 40037

cctaaaccta tctttcttct ctctctgtgt gtgcgcttca acggcaacca gaagcagcca 60
 tggccactgc aaggactgtg aaggatgttt cacctcatga gttcgttaag gcgtaactct 120
 ctcacctcaa gcgatccggc aagatggagc tgccagagtg gactgatatt gtgaaaactg 180
 caagatttaa ggagttggct ccttatgata ctgactggta ctatgtcaga gctgcttcca 240
 tgg 243

<210> 40038
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941993H1

<400> 40038

tctctatatt ccattgccac ccagttttga atatattttt attccttctt tgtttcttca 60
 ctttcttcca tacacataac catgacttct cagactgttg tctctaaagt tggatgtca 120
 tgtcaagggt gtgctggagc agtgaacagg gttttgggaa aaatggaagg tgttgagtca 180
 tttgacattg atctgaagga gcagaagggt acagtgaaag gaaatgtgga gcagatgaag 240
 ttc 243

<210> 40039
 <211> 165
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941995H1

<400> 40039

aaacacacac acctcttctt ccccttctct ctctctctct ctctctctaa accaataatt 60
catattcact caaaaaatta aaacaccatg caacaagcaa ttccttatag gtcattggcaa 120
cctctcatca cacacacctc caccaccacc acaactcacc ttcac 165

<210> 40040

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 700942001H1

<400> 40040

atttgaatag tgccttccaa atatacagga atccaacttt ggatgagttg cttgccatct 60
gcagacagat gcatctagcg tgggcagagt tttggttcaa taccaatttt aatgcaccac 120
catgatgtct cctttccgag ctttgtatgg gcaggaccct ctattattta aaggaaccac 180
agttctttcc aagattgagg aaattgatca gctgactcaa ctaagagata gccttctgca 240
ggagctgcat gagaatttac taagagtga gg 272

<210> 40041

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700942002H1

<400> 40041

atgacgtgtc atgatatgct tgagttatga caaatgaata ttctcttctt caagttccat 60
atttctgtat catgtgtttg tgctatatct cctgctttat cattatggag tccataatgc 120
tcttgaaaaa tatggtaatc cctttttttt tgtggtcggg gacttggggg gtttgaaaat 180
cggtcatttg gttttccgtt cctgtaaggt tggggatcct aaaatt 226

<210> 40042

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700942004H1

<400> 40042

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 aagtacacag agactgagat tcagtcctgt acaactatga aaccactgaa cttgttcacg 180
 agaacaataa tggcacttat cagtgggttg tcaagcccaa aactgtcaaa tatgaattta 240
 aaaccaacac ccatgtccct aaact 265

<210> 40043

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700942005H1

<400> 40043

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 ctctaggttt ttgaaggtgg ctagtgcact gccgctacag ccgcggttgc cggcggttta 180
 tatgccattc tttcatcctc aacctctgct agctctgaga tggaattgcc gtttggcagc 240
 gcacggcgtg agagcaaaga acgtga 266

<210> 40044

<211> 109

<212> DNA

<213> Glycine max

<223> Clone ID: 700942006H1

<400> 40044

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<210> 40045

<211> 224

<212> DNA

<213> Glycine max

<223> Clone ID: 700942007H1

<400> 40045

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gctgaggagt tacatgaatg ggcattctcg ccaaggggag cgcccgtttc cgttcagtgt 120
tgacaagggg tttgctcggg cccacaggtg cagcgaaaca ttatagagga ctatcaaacc 180
ctcagtgcgt gcatggtgtt gaggttggtt ccgcacccag tctg 224

<210> 40046

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700942008H1

<400> 40046

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gtgaagtcac aagtaatctc tcctctcttg taaacatggc agccgaaacg gaaccaaaga 120
agatcataat tgataccgac cctggcatga tgatgctatg gcaatattcc ttgctctaca 180
atcacccgag gttgaagtta ttggactcac aaccatcttt ggaaatgtgt acaccactct 240
ggcaaccaga aatgccttgc atttggtg 268

<210> 40047

<211> 216

<212> DNA

<213> Glycine max

<223> Clone ID: 700942009H1

<400> 40047

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gtttttgaag aacggtgatg ctggttttgt taagatgatt ccaaccaaac ccatggttgt 120
tgaaactttc tccgagtatc ctccactggg aggtttgctg ttagggacat gcgtcaaact 180
gttgctgtgg gagtcatcaa gaacgttgag aagaag 216

<210> 40048

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700942010H1

<400> 40048

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actccaggtg ggccatgctc ggggccttgg gctgctgtct ccccgaaactg ttgtcccgca 120
acgggggtcaa gtttggagaa gctgttggtt caaggccggg tcccagatct tcagcgaggg 180
tggtgctggac tacttgggca acccaagcct tgtccacgcc cagagcatcc tcgccatctg 240
ggccacccaa gttatcctaa tgg 263

<210> 40049

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700942011H1

<400> 40049

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ccttgcaact gatgctgtga taggcagtac agtaagacag gccagtgtcc acacccaggg 120
aagtggctat gtgctgctac atcattgatg ggcgaaactg atggggaacg aggaatttgg 180
tcgtatatat gttgaagggtg gaatgggctc aatatccaag gctattggta atgctgctat 240
tgaagctgga gctcatgttg t 261

<210> 40050

<211> 129

<212> DNA

<213> Glycine max

<223> Clone ID: 700942013H1

<400> 40050

cgggtggttgt cctgtgtact gccaacacag agaggtacag caacgtagtg tgggactaga 60
cgacaccatg gaaaacctct ttgcttcctt ggacaggaat gaggctgaga tttccccttc 120
cacacaaca 129

<210> 40051

<211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942015H1

<400> 40051

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 tgcgcgggta gtgcgaagaa acttgtcaag gctgccctac aagaagcagc aagaaaacgt 120
 gaaatgcgat attcagacct ttacagattg acaagaaggt tcgtcgccat tttcacgacg 180
 atataactgt tattgtttta ttcttaaacc acaaccttat atccaggggt gcagttctaa 240
 atacaccact tacaattcgt ag 262

<210> 40052
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942018H1

<400> 40052

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 ctcaaattcca aaggaactcc gagtaacagt ttcaggcgta attgtctctc atgtttgtgc 180
 tctactatag ttcggattag tgattgcgcc atgcctatct ttttaccaaa ggcattcgct 240
 gctgatggaa atggaatcat ggaaaaa 267

<210> 40053
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942020H1

<400> 40053

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 ttttgcttgt ttttgccaac aagcagatct tcctaataga atgaatgctg cagacataac 180

tgacaagctt ggacttcatt cactccgtca acgccactgg tatatccata gcacttgtgc 240
 aacttctgga gagggactct atga 264

<210> 40054
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942021H1

<400> 40054

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 agttctttac atcctcataa ttgttggttt aaaaaatgct tggttttact gttggaaaga 120
 agagatttat ccagccaaat atgttttcac caatttgatc catcaagata aatcaactct 180
 gtcataaagc aatcattgga tattccctga ggcactgaat aaagattata gccccattct 240
 acctgggcta cctgatgatg tg 262

<210> 40055
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942024H1

<400> 40055

eggctcgagg ttgttacaac caagtgggag acctttgatc atcctccatc ctcaaccacg 60
 tgggaattat tcgattgagt ttgtttctcc cteccccaat ctttctcttt tcccttctt 120
 taccccaatt tcttctcctt tgtetaacgt acaagcttct tgtttcggaa ctctgtcaat 180
 aagtcttgct atcacacttt ttgtctaaaa tacttcttca aaatggaaat taaatagaag 240
 tcagaaatgt taatat 256

<210> 40056
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942026H1

<400> 40056

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 ccctcaggtg tgaatacaat acctagcatg aaattcaact ttgtgggact acatgttgaa 180
 gtttgattgg tgaacgagat ctgatctctt gatccacaaa accatggctg aaaaggtgac 240
 catcatgaaa ctcaagggtg a 261

<210> 40057
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942029H1

<400> 40057

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 ttacactccc attccaagtt catgcgagat cttctaaagc ctagccctgc aagtgttgaa 180
 atcgatgatc acctcctgca aattgaagaa acacagtacc cgaaaacctt cttctataga 240
 gaagacctgt catccggg 258

<210> 40058
 <211> 152
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942032H1

<400> 40058

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 tgacatgttc gtgtccattc cagatgctga tgctatttac atgaagtga ttctgcatga 120
 ctggagcgac gagcactgcg tcaagatctt ga 152

<210> 40059
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941989H1

<400> 40059

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 aacttcattg catggaagcc taagaggtgg agaagacgaa gaggacaagg gtaactgaat 120
 cgccgcttct gcagcttcgt tctttcggtt ttgtgtcatc ttttagctt cagtgggtaa 180
 ataaaaaatg gaggttttgg tgggtcccg cttcaccatc gacgttccct cgtctccgcc 240
 gc 242

<210> 40060

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700942033H1

<400> 40060

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 agctccatag tgcgcccgc ggaggagctc gttgccgccg gcagccgtac accgtcgccg 120
 aagatgacgg cggcggcgct gcggagtggg tcgaggagaa gaacccctcc gcagtgtcgg 180
 tggaggtcgg agagcatgtc cagctcgctt ataccacca gaacgagtcg ccgtttcagc 240
 caagatcctt tgctgtgaag gat 263

<210> 40061

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700942034H1

<400> 40061

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 aagaatatga agcaaactct cttcttctcc ttccttctac tcaccaccat tttctcaatc 120
 accactttag ctcagtcacc agtgcagccc ctaaagcccc agcaaaacct gcccttgcca 180
 caccggctcc agcgccggca aaacctttag tcccttcatt accccagtc ccatcttcag 240
 gtgttgattc ttctggaagc caa 263

<210> 40062

<211> 261
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942039H1

 <400> 40062

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 ctctacaccc acacaatgcg ccattcttca gagactgcac aatcagcggc acagttgatt 180
 acatcttcgg tgacgccact gcagtgttcc aaaactgctt cctaagagta aaaaaaggct 240
 taccaaacca aaagaacaca a 261

<210> 40063
 <211> 259
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700941903H1

 <400> 40063

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 ctgaagaatt taccacttc cactttacaa attgaggagg catttcaggt tccagcataa 120
 aatgctgtgg aatgaatacc gccactacac agatattaag gcatattgca cattgaggta 180
 gtagcatttc ttgtattttt ttcatgatat tcatttcattg gtatagctga ggcaagttat 240
 agtacaacat gatccatgt 259

<210> 40064
 <211> 259
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700941904H1

 <400> 40064

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 acatttgcaa ttaaactaag agaaatggta acgcttatgg aacaaagaac cagagaagcc 180

atagttcaag aatatttata tcgccatgtc gcctcaagtg gcataccgaa acagcttcac 240
 tgccttgcct taaggctgg 259

<210> 40065
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941905H1

<400> 40065

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 ctgggtcggat cttgctttgt gggatgggga ttttagtggg tcttatttca atacaaagct 180
 cttcctcttc ctcttccaaa aatcccatct ctttctcttt tttttcatca taacacaaaa 240
 cacaaaacat aaacctt 257

<210> 40066
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941906H1

<400> 40066

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 gacttttgct atttgtagtt tgaaatacaa cccagctcag tggatgaagac tcagaaatgc 180
 actttgtccg cttgctggat gaccagactt ttgagttcat atcaacttat tctcttga 238

<210> 40067
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941907H1

<400> 40067

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gggtggactg taaaacctgt gggaagtata catggggggg atgtggtgat cacttgacca 120
 ccctctacgc cagcattgat gaggggaatgc actgtacgtg ccgctcctgg ccgggtgttg 180
 ttacacgcac acgcacaacc accactcagc aacctactca atccaataat cccaaccaag 240
 ggaataggaa ttctc 255

<210> 40068
 <211> 222
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941908H1

<400> 40068
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 gtgtgggctt gaacatgtaa tttcgtgaac tccgagctgt ctctagctat tctacaaaat 120
 aacatctttg tagcttgggt gaaataatth aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa taaaaataaa aa 222

<210> 40069
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941909H1

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 ggaaagagtt ccactcacia ggagcattgt tattgagaat ttgatgaaga aatttaatca 120
 agatttagta ttttgccgtg cacctgatga cgatgagctg acaagctatg tacatgctcc 180
 tcagggtggag aaaattgatc cattgcttcg ttgggtggag tcagaatttg gctttaagcc 240
 agttctttac accagcttt 259

<210> 40070
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941917H1

<400> 40070

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 attctccaag gttgctgtgc gtaccgcat cggtatcgtt gtgatgggat tcgtggggtt 180
 ttctgttaag ctcatcttca ttccaattaa caacatcatc gtcggatctg gttaggatga 240
 ggggaatcgc aatcgcttca gg 262

<210> 40071

<211> 123

<212> DNA

<213> Glycine max

<223> Clone ID: 700941921H1

<400> 40071

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 gggagtgtaa ttctcaagaa tagactacaa agctggggga cttaaccacac ctctagacaa 120
 cat 123

<210> 40072

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700941923H1

<400> 40072

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 ggacattagt cttgactatg cactcttttag gtctccttcg gtggtagtgc aagatggttc 120
 acttggttac cgtaaccttt ttgatgctat ggttgatgct gtttatgctg cgttggagat 180
 atctggagga tggtcactga acatagttgt gtctgagagt ggatggcctt cttctggtgg 240
 aactgcaact tcac 254

<210> 40073

<211> 143

<212> DNA

<213> Glycine max

<223> Clone ID: 700941924H1

<400> 40073

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ctgaggctct gagcactgag cacaccacaa actgaaacaa atccctttga gcattcagca 120
agatgagcca cgagctgttg gag 143

<210> 40074

<211> 115

<212> DNA

<213> Glycine max

<223> Clone ID: 700941931H1

<400> 40074

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agatcagact ctgacctttc cgtgtttcttc cgatgtggga ttttcggtta ccaag 115

<210> 40075

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700941933H1

<400> 40075

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acaacaatgc atccctggca agggccttag cagatctgat gcaagaagca aatcaagaac 120
tacctgattg gctctcacgg ttgtctgctc gcacttcctt tgggtggggga aggaaccgtc 180
gatcaggagg aggccgtttt ggtggccgtg actttcgaag agagggttct tttagtaggg 240
gtggttctga ttactacagt g 261

<210> 40076

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700941941H1

<400> 40076

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 agcgttcact cggagagttc gaacatgtcg ggcgttacca acaacaacga ggaagacaag 120
 aagccaaccg aacagggagc acacatcaac cttaaggtta aggggcagga tgggaatgaa 180
 gtttttttca ggatcaagag aagcactcaa ttgaagaagc ttatgaatgc ttactgtgac 240
 cgacagtcgg tgga 254

<210> 40077
 <211> 151
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941943H1

<400> 40077

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 gagttccctc acgtcgagag gtacttttgg acattgggtca accagcctaa cttccgaaag 120
 atattaggtc aggttaagca aactgagtct g 151

<210> 40078
 <211> 149
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941948H1

<400> 40078

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 tagatgataa cttttcgact attgtgactg tagctaaatg gggccgctcg gtctacgtaa 120
 acattcagaa atttgtgcag tttcagcta 149

<210> 40079
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941949H1

<400> 40079

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gtgtgtttgg attaccatat gaatcaccaa aaacgtttat ttgcacattt caagagagaa 120
 aacggagaag caacaccagt gtttcgttga atataatgta tgtttgcggtt ggaacgaacc 180
 attttccaaa catacactat cactctatca gctaccttct ttattaagtt gtttctagta 240
 atatttattt ggtaaa 256

<210> 40080
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941956H1

<400> 40080

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 cttgatctgt tggaaatcat agccaaggct ggccctgggg tgtcaccttt cccctccga 180
 cattgcgtct cggtcccaa cacacaaccc tgatgcaccc gttatgttgg accgtatatt 240
 gcgcctct 248

<210> 40081
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941958H1

<400> 40081

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 ttgtcatcaa ctagcttctc tctattgtcc ctccgattcc gcatttctct gcttccactg 120
 cgacgccgcc gccacgccg ccaacttctt cgtagctcgc cacctccgcc gcctcctctg 180
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 ctccacctg 249

<210> 40082
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941967H1

<400> 40082

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 ccctcacagt tccattctct tctcgttttc ccttcgtctc actctcacac gaaaaccagt 180
 tctcgtcgcg ggggcgctct cgtcagtcgc tgcgcgcgc gccctccgttg acgtcggagg 240
 ttccttcaac acc 253

<210> 40083

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700941970H1

<400> 40083

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 atagtttttg aaaccaagaa ttctgaaga agggtagcat caacaagcag ttctgaaaat 120
 ggagatcacc aatgtcagtg agtatgaggc tattgcaaag cagaagttgc caaagatggc 180
 gtttgactac tacgcatctg gtgcagagga ccagtggact ctgcaagaga acagaaatgc 240
 cttttccaga 250

<210> 40084

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700941974H1

<400> 40084

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 tgaagtttct gatggagcag cgaaagttgt ggttttgggg attccgtggg atatcgatac 120
 tgagggattg agggaaatata tgagcaagtt tggtagactg gaagattgca ttgtcatgaa 180
 ggagcgggtca actggacggt ctcgtgggtt tggatatgtt acatttgctt cagtggatga 240
 tgct 244

002260-ETTES60

<210> 40085
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700941976H1

<400> 40085

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gccgagggat caccgccttg gggaagcgag tcgccaacca gatctggact tccaaccccc 120
cctcagctcc tctcacttcc aggaggggag caatagcagc tgcatacagt agcagcggcg 180
ggtcagtgtg tgacaagaac cctgatgatc agatccactc tggggcggtc ccagacgatg 240
tgatcc 246

<210> 40086
<211> 118
<212> DNA
<213> Glycine max

<223> Clone ID: 700941979H1

<400> 40086

caactattct agttaccttt tctcttaatc caaatatcat catctgaaac gatggctgcc 60
atggcaacca caaccctctc ttcaaaccgc aaactctcat tttccacac aacatacg 118

<210> 40087
<211> 116
<212> DNA
<213> Glycine max

<223> Clone ID: 700941901H1

<400> 40087

gtttttgaaa tggtgtcacc tcttcttcta tttctatgcc taactcttcc tttgtttttg 60
ttgtccttct tcaaataccg taaaaccttc aagaatccac cacttccaca caacat 116

<210> 40088
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700941981H1

<400> 40088

agaaggaaga gaaaactgac tcaaggtgga agaaatctct agagctatta atgaacctgt 60
tagagaaaca ttggcatcta aatttgaaga ggaaactggt gaacctggag cggataaggt 120
agagaaagaa caaactgtgg agcctgagaa aactgaggag gttcaagcca ccaaggaaag 180
tgatgcaaca aaaacatcca aggaccttcc aaaagaaact ccagcaaac cagctcaaaa 240
gcaatca 247

<210> 40089

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700941982H1

<400> 40089

ggcatagttt attttcttaa atgatgtggg taaagctcga tgtttaatcc tttgtcatat 60
atgtacagta acaacggatt ctccccactc ccctttatct ttttcttttc ctttcattta 120
tggaaccgttg tactgtaatt gtaaagcata ttctccccct tgaatttctt ttcatttagt 180
tgagaattca aaattgttcc caaaaaaaaa aaaaaaaaaa agggggggccc 230

<210> 40090

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700941983H1

<400> 40090

gtttgttgtt gtaactcggt cttcttcttt tgttgttctg tgtttgtgtt tgtactttct 60
ctcacctgaa aatgtcttgc tgcggtggta actgtgggtg cggaagctcc tgcaagtgcg 120
gcaacggctg cggaggctgc aagatgtacc cagacttgag ctacactgag tcaaccacca 180
ccgagacctt ggtcatggga gtggcacctg ttaaggctca atttgagggt gctgaaatgg 240
gtgtgcc 247

<210> 40091

003320"ETTESO

<211> 192
<212> DNA
<213> Glycine max

<223> Clone ID: 700941818H1

<400> 40091

ccattttcca cttgaaccct tcaggccggt ttgtcattgg tggccctcat ggcgatgctg 60
gtctcaccgg ccgcaagatc attatcgata cttatggagt atgggggtgtc cttgttgttg 120
ttgctttctt cggggaggac ctaccaaggt tgataggagt ggtgcttaca ttgtgagaca 180
ggtgctaaga gc 192

<210> 40092
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700941824H1

<400> 40092

tactgaactt gacattcagg agttggagaa tgtattaaag gttttattgc cacttccttc 60
aaggatcctt tatcgttttc actctgggca agaaatcgca aaaccagatc cagaaactac 120
tacatatggc agtctttggg ttttaattggg ggctactcct tctatagtca tttgggtgaat 180
gtttatctat tacctatacg tcagataatc ctagagacaa agcaaactag gcgtcacttg 240
agcttttttaa g 251

<210> 40093
<211> 99
<212> DNA
<213> Glycine max

<223> Clone ID: 700941825H1

<400> 40093

ttgtaaagaa ggcaagagat gcaagcttta aaaacttgat agatcattga gtgaaatagt 60
gaattatcac aggctaaaga gcttgtgagt ctatatgtgc 99

<210> 40094
<211> 97
<212> DNA

<213> Glycine max

<223> Clone ID: 700941826H1

<400> 40094

aaccattac catgatatct tagttatcaa cattagctca attaatccct taattgcaag 60

catcatggct gaggagaaac accaccacca catccac 97

<210> 40095

<211> 185

<212> DNA

<213> Glycine max

<223> Clone ID: 700941832H1

<400> 40095

gattcggctc gagtcactct caactttact cctcttcaat cagttgcata ttctttgcta 60

tccaatggc cactgttgag gttgtgtcag ccaaggttgc cctcccagag gacacaatag 120

aggcatcatt gaaggttgac gaggagagaa cacagaagaa gttgttgaga ctccatcacc 180

aggaa 185

<210> 40096

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700941833H1

<400> 40096

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gattcctgcc catatttggtt gcatattctg cagagagttt gaaaaagagg gataggcaag 120

atcaaaatga tgctcaatga cacagtttta tgagaatttg gtaaagtgtt ataaagaccc 180

tgcattgctt ccaattcagc attcattcga caatgacaat cttcgcagtc cccttatatc 240

tcaggcttaa tgcta 255

<210> 40097

<211> 128

<212> DNA

<213> Glycine max

<223> Clone ID: 700941834H1

<400> 40097

gagcaaaagt ggtgattatt ctaaccagt gagactttgc accgtgacac aagtagagga 60
attgaaaatc ttgattcgaa tgtttccagt ttgggctact gggattgttt ttgctgctgt 120
ttatgctc 128

<210> 40098

<211> 171

<212> DNA

<213> Glycine max

<223> Clone ID: 700941839H1

<400> 40098

agcactttgg ttggagtgg ccctgaattt gaaattgctt tgtataccct gtgtttctat 60
gttggtaggg aggataacca cattcagctt ggtccatatg gggttaatat caagtgctat 120
cgattgggtg acgaattgga tctgttttct ccattgcaga ttcttgaatt t 171

<210> 40099

<211> 210

<212> DNA

<213> Glycine max

<223> Clone ID: 700941846H1

<400> 40099

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caaatcattc ttgtctttac ttcctttttc tgctctttca gaaattctgt aaaatatata 120
ttacctctt ttacactcct ttgaagatga acgtactttc tactttcagc tttaatgcat 180
tgcttccggt attgtctgt atatcaaaat 210

<210> 40100

<211> 202

<212> DNA

<213> Glycine max

<223> Clone ID: 700941850H1

<400> 40100

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 gtagccgagg gatcaccgcc ttgggggaacc gattcgcaaa cgtctcgag ttttcaaacc 120
 cccttaaagc tctgaagtct cgaaggggga caatagcagg tgcatacagt agcacggcgg 180
 gtcagtgtat gacaagaacc tg 202

<210> 40101
 <211> 90
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941857H1
 <400> 40101

tctgtctcaa ctttccttca gtttctctct tcctctcacc gagtcacgga ctcggttga 60
 ctcgtagcaa ctccgatccc ccccgagtc 90

<210> 40102
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941860H1
 <400> 40102

tgaaccctcg atggggttggg ctcggtatgc tcataccatg agaatatggg ttataaactc 60
 tggtttcttt tatataaggc ctactcttcc ttcaattgag ctcttgatc gtgttgcaac 120
 tcggctttca atgacccaaa atcatgggat caggcagttt ttaatgagga gctctttttc 180
 ccttcacatc ctgggttatga tggacttcac gctgcaaaaa ggacgatgga tatgtacctt 240
 tttatg 246

<210> 40103
 <211> 201
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941865H1
 <400> 40103

ggccattggg tttctagaag ccttgggctt ggtttccgga atgtcagctg cagccgtact 60

tcttggacca gtcataccca tattgaatca gacttttttg gtttggcagc taatgttttc 120
 tactcttctc gtgagaagaa gatactcaat caatcaattg gttgggtgct tacttgtagc 180
 tgttggtggt gtggtggcta t 201

<210> 40104
 <211> 84
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941866H1
 <400> 40104

accaactcca gcatatgtag aggcaaactc cctttcctca atgatgaaaa ggtaggtga 60
 gcttgaagtg aaggttgaca cact 84

<210> 40105
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941867H1
 <400> 40105

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 gagctatgtg aagctgttgg tcctgacccc accaggtcag aattgggtccc tgcataatgtt 120
 cgtctgctgg tgataatgag gctgaagtac gtattgctgc tgctgggaaa gtaactaagt 180
 tttcccgcat tttaaactct gaccttgcca ttcagcatat tctaccatgt gtgaaggagt 240
 tatcaacag 249

<210> 40106
 <211> 198
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941870H1
 <400> 40106

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 atagaaaactg ctttttagta ttttacttca gaaagccgcg ttgtatttat tgtgttggat 120

gtgcttggga aaggatctaa gttatccttc taaataactt acacaaagca tcatatatat 180
gcaatggggc atcatggg 198

<210> 40107
<211> 106
<212> DNA
<213> Glycine max

<223> Clone ID: 700941873H1

<400> 40107

ctcgccgact cggttgctat cagcgagtga gaggagtga gtggttctgc ttgcagcgaa 60
caaggtatta gtcgacacca agactagacg gtgaaatcga ggctgt 106

<210> 40108
<211> 201
<212> DNA
<213> Glycine max

<223> Clone ID: 700941874H1

<400> 40108

gctagtattg cctttggccc cctggagatg gtagaatgca atcgaaagtt gatgctttgg 60
gctggaaact gcaagtgatt aggaacatgt agctatgtgc gtttttagtgg acaagtctgg 120
caccatgttt ggcatttctt ttccctgtag agtttatact tgagctagaa aggcccatga 180
agacattgga atttcaattt a 201

<210> 40109
<211> 180
<212> DNA
<213> Glycine max

<223> Clone ID: 700941880H1

<400> 40109

aataccacca actgaagaaa ttgctgacag aatcaacaag atgctggcag tgctcgagaa 60
gaacatcttg tgggtgaacc ctgactgtgg gctcaagacc cgtaagtaca ctgaggtgaa 120
gccagccctc acaaacatgg ttgccgcagc aaaactcctc cgcaacgaac ttgccaagtg 180

<210> 40110

<211> 171
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700941881H1

 <400> 40110

 ctttgttcaa gacaagaata aaggaagaat acaagtgata tcttcatttg ttcaagacaa 60
 gaataaagga agatatcact tgtattactt cgattgggtt gcttgatttc ttttagagag 120
 gattctttgt gatgcttttg ccaaaaaaaaa aaaaaaaggg gggcccgcgg a 171

<210> 40111
 <211> 84
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700941882H1

 <400> 40111

 attgcaattt ctcaattact acatcgtatt ctgcaaattc aaactggcgt cttgagtttt 60
 cttgaaagat ggggaggtcg gcaa 84

<210> 40112
 <211> 250
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700941883H1

 <400> 40112

 taaacccta aatcactat gcaaaattcc aaagtagcta gagtctaagc ttcgatcggt 60
 aaacagctct gcacaaggaa ttgtaatctc ctgtgtggag taggatctat tcgaagcgca 120
 agatatcatt acaagcaacc tctgtttcaa catcattcat ttactaagtt atacaaggga 180
 gccatgatag aaaagcataa tttcctttca acaatgacta ctaacaacac taccaaggaa 240
 aggagtgaac 250

<210> 40113
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941884H1

<400> 40113

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 agacatcttt tgaagatgct gctgtggcta tgaacatcac cagagtggcc tcggtggcac 120
 cctttgagct tgtttcagtt ccaggggctc gcaagtggg cccagtatgc cggttattga 180
 gttggtgctg cagagtgaga tgggtgaagtg gaccatacat tgaagaaact ccatggtgag 240

<210> 40114

<211> 196

<212> DNA

<213> Glycine max

<223> Clone ID: 700941885H1

<400> 40114

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 atgcctgtgt cttacttatg ctatgtgatg cgtaagtgtg tttgctctgc actccaacgt 120
 gaagaagatt taattactaa tagtgtatgt acggtttgcg ggataatact ttaatggtag 180
 tgagattgga gtttgg 196

<210> 40115

<211> 189

<212> DNA

<213> Glycine max

<223> Clone ID: 700941817H1

<400> 40115

ctggagctca accttctgct atgaaagaaa caccaagcaa attgtcagaa cgtccttgct 60
 caactaataa tggaaccggt cataaccata caggtgcttc tatcagtggc agcgaccg 120
 cttctaaggc acaggtgttg gttggcctcc tattagatca tttaggaaaa actcaatggc 180
 taccaccac 189

<210> 40116

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700941887H1

<400> 40116

aaagaaactt gggacggtga aattggaggg ttttccggga tccaaggcc gaatcttgat 60
 tcaatttacg aaaagagaac accatccgtt gctgaatctt gaagccgaat caaatcgtag 120
 agagagagaa gacaccaga taggcgaata gcgttttagag agagaaaggt gaagtggggt 180
 tgtctaaagt ttgggtcttg tgtttgttgt gtgtggtggg tgaaaggga agatgacgga 240
 tgtggtac 248

<210> 40117

<211> 88

<212> DNA

<213> Glycine max

<223> Clone ID: 700941888H1

<400> 40117

cattcttcag cgactgcgtt ttgggatcgg aacctcttct gcggcgtagc aatcgggaca 60
 ctccaacgtt tcggaactgc tcacccaa 88

<210> 40118

<211> 104

<212> DNA

<213> Glycine max

<223> Clone ID: 700941889H1

<400> 40118

cattttctgg ctaaccaacc ctgacactcc ttcttctcgg ctctctgttc gatcatgcgt 60
 tcagaatgcc gccgaagtgc gacctctccc agatcgtcga cgtc 104

<210> 40119

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700941891H1

<400> 40119

gggtattgca aaatgaacag cacaatgatg aagttggtgg ctcaacatgc caagaaccac 60

002220-ETFE50

atagggtcag taactgaggc caagaagctg gcttctcctt ctctttctcc ttctacttct 120
tcttcttcgt aacttcaaata aacctgagag atgatgagaa gagaaggatg gcagaggagt 180
ctctcagaac agttatgtat ttgagcacat gggggtccta attcttgaga gttagaaaac 240
at 242

<210> 40120
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700941892H1

<400> 40120

cacacgcata gagagagaga gaaagagaag cagaggaaga aggagaagaa ggagatcttg 60
agagatcagg tcgcaactcg tcatggggag agaagttaca ggaatgcaag ttgtggacaa 120
gaagccaatg gtgttatacc agcttcaaata ggtagttcta atgataaagt atgcttttct 180
cctaaaatgg aagcagctaa ggttcaggcg aaggatcaca aggtaaatga atgtaccaa 240
act 243

<210> 40121
<211> 181
<212> DNA
<213> Glycine max

<223> Clone ID: 700941893H1

<400> 40121

cgccaaaact agggttttgc attgatggca ctgtgcaacc gcgtcagatc gggaatctct 60
ctcttcacca aatccacgtt ccttacttcc cagcgatgcc agtctccaac gatccctcgt 120
tgcccctttc atttcctcg cctccagaaa ttacgccaac gtgccggggc aaaaggaaac 180
c 181

<210> 40122
<211> 227
<212> DNA
<213> Glycine max

<223> Clone ID: 700941894H1

<400> 40122

tggaattaa cccttgcca tcttgcaaag ctgcaaattg gagcaggggtg gtggctgcta 60
 tcaacaatgt tacatttatt atgccaacca ttgccttact tcaagcacat tatttcaaca 120
 tcaaaggggt gttcaccact gatttccctg ccaatccacc ccatgttttc aactactcag 180
 ggcttgacc agccaatttg aacaccgaaa ccggcacaaa ggtttac 227

<210> 40123

<211> 109

<212> DNA

<213> Glycine max

<223> Clone ID: 700941895H1

<400> 40123

gttttgagtt aacaaatgat ttgcttgagt aggatctttt ccatctaaag actacgctag 60
 tacatctgcg cagctgctcg tggagcttag ggcattgcaa atggaactc 109

<210> 40124

<211> 223

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700941896H1

<400> 40124

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 gtgaagcggc aaatggggat acagtttatg catctgggag gatcgtgacg ataagnagct 120
 taggggacat agtgtatact agctggtaag ttaaaaaata atgggtgcat gttctgtgac 180
 ctggcgaatg tagtttcaag ctgaaaccgg actgtgattc gcg 223

<210> 40125

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700941749H1

<400> 40125

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tctatctggc atggagggcc atggtggata cttggcaatt ctgaaagcat gtcttctcct 120
 aaggggaagg acttcaatgg ctttgttcct ggcacttcct gtcaatgtgg ccttggtgc 180
 tattgaggcc ttgttccaat tcagggttgt gaggccctat catgttgctg gaataacaag 240
 gccttgtgtg g 251

<210> 40126
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941753H1

<400> 40126

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 ggaaaacatg gtaaagctaa aggaggaatt tgattacaaa agcttatcta ggaggttaga 120
 tatagaatta gataaactca ttgtggaaca tgaaaggcaa cagaagacat ttgaggatga 180
 gattgaaagg tcagccactg aagcacaaca tcggatatct gaggctgaaa gaaactatgt 240
 agattcattg 250

<210> 40127
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941765H1

<400> 40127

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 attaaaggct gttgggacag gggtggggac tgcagctgta attgtaatgg ataaatctac 120
 ggatgttgtg gatgctattg caaggctttc ctacttctac aagcacgaaa gttgtgggca 180
 gtgcacacca tgcagggagg gaactggttg gctttggaca atcatggaaa gaatgaaagt 240
 tgggaatgc 249

<210> 40128
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941766H1

<400> 40128

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 tttgcgacca gaagggtgctg tcatattccg cgacgaagta gatgtgataa ttaaggtaaa 120
 gaaaatagtt ggaggaatga gatgggacac taaaatggtt gaccatgagg atggtcctac 180
 ttgttctctga gaaggtgact gttgctgtca agcagtattg ggttactaat tccacacaac 240
 atacg 245

<210> 40129

<211> 79

<212> DNA

<213> Glycine max

<223> Clone ID: 700941769H1

<400> 40129

ataaaatttc cttcctgtct ttctactagt ctctatgttc tgtgccagcc agcatctatc 60
 atactccaca caacatagg 79

<210> 40130

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700941774H1

<400> 40130

gcggtaggct catccgagac cggaagcagc aatggggatc gatctcaagg ccggaggtaa 60
 aagcaaaaaa accaaaagaa cagcacccaa gtccaatgat atctatctta agctcttggt 120
 caagctttat cgcttccttg ttcggagaac tggcagcaaa ttcaatgccg ttataactcaa 180
 gagattgttc atgagcaagg ttaacaagcc cccattgtct ttgtcaaggt tgattaagta 240
 tac 243

<210> 40131

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700941778H1

<400> 40131

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 acgagtatgg cttactgggt atgacgagtc aaggatgctc ttgcaaccag aacttggtct 120
 tgaagatggt agtcaagacc atgcacgcaa aacggtaact cttgaggacc atcctcactt 180
 gccaggaag catgcatcta ttcattccatg tcgacatgga gctgtgatga agaaaatcat 240
 tgat 244

<210> 40132

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700941782H1

<400> 40132

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 gctagatcca gccccatcat ggcttcagag aagcaagcgg ctcttgccgt cactccctct 120
 gatgctgatg ctctaccat atttgacaag atcatcaata aggagattcc ttctactgtg 180
 gtttatgagg atgacaaggt gcttgccttc agggacataa ctctcaagc tcctacacat 240
 attctt 246

<210> 40133

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700941783H1

<400> 40133

ggtccaagaa ggagcaggtt tgctttcaat tgtgatccaa gaggctgaag aggttgaggg 60
 ggaccatcac aacaacccat ttgcagtgtc gacctttaga ggcgaaaaga aaaggacaaa 120
 gacgatgaag aaaactcgac acccgcggtg gaatgaagaa ttccaattca tgctagagga 180
 gcctacctct acatgagaag atacataatg aggttatgag caagaggaag aactttagtt 240
 ttctgcc 247

<210> 40134
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941785H1

<400> 40134

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 caagaaaaag ctagggttacg gaagaagttt tgctgggtgag ttttggttgc tgatagaaag 120
 ggactctggg agagggtggtt ttogaatcat ggtgtttcta gtgctgacct tgcacatgat 180
 gttaaactct gaatactgat tcagtttaat gagtaaactt gagaattggt tcaaacttgt 240
 gtatag 246

<210> 40135
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941788H1

<400> 40135

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 acgaataata aaaaattaat tctcaattg attctttgtg gcgggtgttcg atcggtacct 120
 gcatctcttc ttttccagggt ttggagaatg agttctgtgc aaggaccagt tgtgtgcct 180
 tctgtccgtg ccaaacaagt agggttctgc agcattccaa tgattggggc agtgacaatg 240
 aa 242

<210> 40136
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941789H1

<400> 40136

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 gaaaaaggat aatcaccttc acaatattga atgaccattt ctataattat ctctcctcta 120

ttttgttctt tttacggcaa gaaaaaaaaa acaaaaaaac cttccccttg ctcatggatc 180
 atttctcttg tttttgttga atcattatta ttattattat tgttattggt gtgggtggtgt 240
 agc 243

<210> 40137
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941791H1

<400> 40137

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 tctctatcta gccccctctc ttctcgct cgcctcat cggactctc accggcctcg 120
 acgactacct ctacgcctgc ggcgtggctc gccttcgggt ctccactttc tctctaatacc 180
 aagcctccca cctcgcttc accgccgtct tcgccttct cctcgctcgc cacaggttca 240
 cgc 243

<210> 40138
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941793H1

<400> 40138

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 tgtcaagggt gtgctggagc agtgaacagg gttttgggaa aaatggaagg tggtgagtca 180
 tttgacattg atctgaagga gcagaagggt acagtgaaag gaaatgtgga gccagatgaa 240
 gt 242

<210> 40139
 <211> 67
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941794H1

<400> 40139

ctcgagccga atcggtcga gaccttgctg cggttgctcc atcaccgaat cacttgacaca 60
caacata 67

<210> 40140

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700941795H1

<400> 40140

cactgcaaca ataacaatca aagaaaagaa accttctcag acacacaaca aaaataacat 60
ggaaatggaa tcgaaagact atgcctacag cggcaagata atgctaatacg ccattgtggt 120
tctcttcacg gttatcatca taatgctttg cctccacgtc tacgtccggc ggcgccctcg 180
aaacgctcgc cgccggccac agctccgcgc cagtaaccgc ccgcagttcg tgttctacat 240
ggac 244

<210> 40141

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700941796H1

<400> 40141

gggctttaca gtgtttctct tccttcttct tcttcttctt cttcttcttc gttgaatcgc 60
gattgttctg tgcgagagaa agaagagaga gatcgaaaat ggcgttggct ttcgacgagt 120
tcggaaggcc gttcataatc ctgatggagc aggagcagaa gagcagactc cgaggattgg 180
acgctcagaa agccaacatc tccgccggca aagccgtggc tcgcatactc cgaacctccc 240
tcg 243

<210> 40142

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700941801H1

<400> 40142

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gttccgattg cgcagtaggg tttggtctag ggtcggccaa ggctggcgag tatttgggtg 120
aagtaaatgg cggatcgagt ggtgcgagcg tgggtgttgcg gcagcggcgg cggcggtgat 180
agtgttacag tgcggtggcg attaagtgtg tcttcaattt taattttgat ttgagtgcta 240
tactcccact gcagacc 257

<210> 40143

<211> 190

<212> DNA

<213> Glycine max

<223> Clone ID: 700941802H1

<400> 40143

aaactttctca cgttcagttc cattttgtgg ctcaaaagtg tccgaactgc aaatcctaca 60
atacacgaca aacatgagggc tgagcaagtg gccacgatta ttcattgggt tegtcaaaag 120
ccttcacttg agtttcttga tgttggttggtg attcgtgaag gctgtgaaaa tgcattgtgtg 180
tccattgggt 190

<210> 40144

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700941803H1

<400> 40144

gcgaaattga aggtcttcat cgtgttctat tcgatgtacg gacacgtgga ggggctgtcg 60
aagaggttga agaaaggcgt ggacggagtg gaggggtgtg aaggtgttct gtataggggt 120
ccggagacat tgccgattga ggtgctgaat cagatgaggg cgccgcccaa ggacgacgcc 180
ataccagaga ttacggcggc ggagttgacg gccgccgatg ggggtactgtt tgggtttccg 240
acgaggtacg ggtc 254

<210> 40145

<211> 251

<212> DNA
 <213> Glycine max

<223> Clone ID: 700941804H1

<400> 40145

caaggagata gtattcaact atgtaaatca gctgtgag agcttgccaa gtccaaatgg 60
 agagtcagta gtagactgta atagcattta tggattgcca aacatcacgt ttactgttgg 120
 agacaaacct ttcccctcac ccctgagcag tatattctga aaactggaga aggcatcgca 180
 gaagtttgcc ttagtgggtt tattgctttt gacattcctc ctctcgagg tcctctctgg 240
 attcttggcg a 251

<210> 40146
 <211> 231
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941805H1

<400> 40146

caagaagccc accattactt ccaggagat ccaaacggcg gtgcgtttgg tcctccctgg 60
 ggagttggcc aagcatgccg tttctgaagg caccaaggcc gtcaccaa at tcaccagctc 120
 ttgattgggt tcggtgttta tgtcagggtt ttctgttagc ccgattta at tagggtttct 180
 tttccttgta atttctgtga gtatgtagat gtaaaattaa accttttatt t 231

<210> 40147
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941806H1

<400> 40147

ctttgaagga aataagagtc aagaaaggtc ttacagatga tcttggtgca gaggctctga 60
 tgatagatgc attggacaaa attgaaaagg atttaaaaaa acctttactg agaaatgata 120
 agaaaggaat ggacttctct tggcagagtt tgataagatt aataagaaaa ttggaattcg 180
 aaaggaagat ctaccaaagt atgaagagga gctagaactt aaagtagcca agcac 235

<210> 40148
 <211> 252
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700941807H1

 <400> 40148

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 aaggcttctc agcatttcaa gccctcttgg tgtctcccca gtgacaaaaa cagaactgat 120
 aaagagagcc agctacagtt tgaggaggca acagtgagtg acctccttta tccttcaaca 180
 tcccccttgg accaaaactt ttatgacacg gagttagtcc tagcagtgtt ggaaattact 240
 tgaagttttg ga 252

<210> 40149
 <211> 248
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700941743H1

 <400> 40149

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 acccctttaa ttagtattct taattactct ttccatttcc atatactagc tagctacaaa 120
 tatatattat gggttttagtt ctttaaggca tcaatctgca gcatagtcac gaacaagaag 180
 aagaagaaga agagggttcgt ggatggcact agtggtgaga aaaatgccat tgcaactcat 240
 gtgggggtc 248

<210> 40150
 <211> 251
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700941809H1

 <400> 40150

 attggtgttg ccggtcagat cattccttag aacttccctc ttctcatgtt tgcttgggaag 60
 gttggaccgg cattggcctg tggcaacacc attgttctca aaacagctga gcagacaccg 120
 ttatctgctt tatatgcagc aaaactatct catgaggctg gacttctctg tgggtgtttta 180

gtatcttcac tatggcgtga gaactttggt agttcagacc ttcctccgcc tctgttttc 180
 accttggaag acagatccga tttttctcct gaatcaggca tactagatta tcaaatatcc 240
 cctgaggcta agtcaga 257

<210> 40154
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941695H1
 <400> 40154

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 agaggttgac cctggacgga aaaaacaacg cgtttccgtc accctcgcca gacggtaaat 120
 ggatcgtgtt tcggtcgggt cgatcggggc ataagaacct ttacataatg gacgcattga 180
 tggtgagaag aaggagcttc gaagattaac ggaggggtccg tggactgata ccatgtgcaa 240
 ctggtcaccg gatggaga 258

<210> 40155
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941696H1
 <400> 40155

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 tcagatgggt ctacgtcaat ttcctccgac caccggagat tctcaaaaag tacggatctt 120
 gggcagtggt tactggaccc actgacggca ttggaaagag cttcgctttc gagctcgctc 180
 gcaagggcct gaacctcgtc cttgtcggaa agaaccocga caagctcaaa gacgtgtcgg 240
 attcgatcgc ggcg 254

<210> 40156
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941701H1

<400> 40156

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 tgaaagtgag tatagaatta ggttctatgt atctgtacct gtaaaactta gatggcctgt 120
 acctgcaata gccatacttc aagctgtggt tggaagtcaa gctgtcatca cagggacttt 180
 ctccataatc aaacaatgta ctgctatggg atgtatcccc aaagtgaaac tattcacact 240
 catccaaaat gcatggc 257

<210> 40157

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700941702H1

<400> 40157

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 ctgctgggtt tgggctcatg taagcttaag ggctctacta ttggtactta aaaaaagaaa 120
 actcccatct ttttcaaaaa agtagtcaaa acttgaaatc aaatcaggag cgggggaaaa 180
 agaaaagaga gagaagtagg gttcgaaaat ggcagcagaa tcatcagagg gcgaagaaga 240
 aaccaagtta agcggaggga gct 263

<210> 40158

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700941703H1

<400> 40158

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 ttgtgcgttt tggtagtagc tgcccgtgga ggtttagggg cagtttctag ggacatattt 120
 attctggcag gacagagcaa catggcagga cgaggagggg ttttcggggg aaaatgggac 180
 ggtgatgtcc cagaggagtg caggcccagc cctggtgttt tcaggctgag cgcgggcctg 240
 gagtgggagg aggcg 255

<210> 40159
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941704H1

<400> 40159

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 ggcaagagaa caaaagtatg tcaactacatg atgacccatg atccaagtct tgcataacat 120
 caacaacagc aactctttta agctgttcat attctcagca tttacaaaat aaatgttgct 180
 tgacatgatg tgaacaccag tgatgcaatt gatgaatcat ggatcattat cattatagtc 240
 tttagttcca aagt 254

<210> 40160
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941705H1

<400> 40160

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 gcacattcac gattaatatt ggcatagaca atattaatta cttacacacc accatgctaa 120
 tgtgttttta aatttggttag aagggttat ttatcattac tttaaacaca tgcactactt 180
 aaggaatcag taataaaaata acatttttta aaaaaattca ttaggaatgt attaaaaatc 240
 acaatgacaa tgcatta 257

<210> 40161
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941706H1

<400> 40161

aagcatccca caagtacag catatcatg ataagccaat tgtgataagc cattcactca 60
 ggtgaaaaga aaaaaaaaaac atatagtaac aaaaccatgg tgattcacag actcgaattg 120
 tgataaaca tggttcaact cgccatagag ttcgtcgtga gcgtcgcgga aacagtggtc 180

atagttcagc agagaaccgt ggagcctctc ggaatgttga atcgcgcaag tacacctctt 240
cctttctatg gcta 254

<210> 40162
<211> 148
<212> DNA
<213> Glycine max

<223> Clone ID: 700941707H1

<400> 40162

ggtgaggaaa actttggaca gaaaatggag tgctagacaa ggccagacag gagtgacaag 60
aacctctcag cagagggaga agccaccata gaagcaaaga ccagagagta ctttggatgga 120
gtcgcaccac aacgccacac aaagcctc 148

<210> 40163
<211> 188
<212> DNA
<213> Glycine max

<223> Clone ID: 700941708H1

<400> 40163

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caaggtccct aaagaaaagc atcattagaa gtggtacaca aacatggggc atgctcccaa 120
ctgaataatc atgatggcaa agcaaagtct acaacaccac acagtgagat tctgaaccaa 180
gacaaaga 188

<210> 40164
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700941709H1

<400> 40164

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taagagtatc gggtgcaaaa ccagaatctt tacaggattg gcgacctcca gagttttatc 120
cagcatctag tgatggccat ttctacatac gagtccaggt taaggactct ggatgtggca 180

ttccccaca agaaattccg catctcttta ccaagtttgc ccagtctcgg agtggaccag 240
ctcgacctag cag 253

<210> 40165
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700941710H1

<400> 40165

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accttcatca tgatcaagcc agatggcggt caaagaggcc ttattggcga gattattagc 120
agatttgaga ggaaggggtt ttacttgaaa gggttgaaac tcgttactgt ggaccgtcct 180
tttgctgaga agcactatgc tgatttgtct gcaaagcctt tctttagtgg tttgggtgat 240
tacattgtct ctg 253

<210> 40166
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700941714H1

<400> 40166

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ctcacaaaat ggtgcttgga aacgtgtgtc cacggaatga aacggttaaa caaacataac 120
ctttgtatct gttattctgt aggtactttg gaatagagtg taatggtaat ccaaactatg 180
tacaattgga gaaactctgg tttattgatg cagcaaccat gctttacatg cttttggtgt 240
aagcttggtt tg 252

<210> 40167
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700941715H1

<400> 40167

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 cagccaccag ccatgggtcg tatgcacagc cgcggtaagg gtatattctc ttctgctttg 120
 ccctacaaaa ggacacctcc tagctggctc aagatctctt cgcaagatgt cgaagaaaat 180
 atctgcaagt ttgcaagaa aggtttgacc ccgtctcaga ttggtgtcat tctcagagat 240
 tctcacggta ttgc 254

<210> 40168
 <211> 91
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941716H1

<400> 40168

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 agtctaataca tcaacacctt ccacacaaca t 91

<210> 40169
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941718H1

<400> 40169

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 tctgcccgtc ctgctcctcg ggcagctcct cgtcctgctc tagttcacca tgctcctcct 120
 cctgcccctg ctcagagtgg tgggtgatct atgcttggtg gcattgggtc aaccatagct 180
 caaggtatgg cttttggcac cggaagtgca gtggcacaca gggctgtgga tgcagtcagt 240
 ggtcctcgta c 251

<210> 40170
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941719H1

<400> 40170

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 caacaagcaa agtacatggt tgatttggaa atccagggtcc ccacccatt cgacatcttt 120
 gccgaggcga gagaatcgga tgcccccgga gcaaaggagt atgtgcatat tcgaattcag 180
 cagaggaatg ggaagaagag tctgaccaca gtgcaagggc tgaagaagga gttcagctac 240
 gagaagatcc tca 253

<210> 40171
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941723H1

<400> 40171

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 attggagctt cttttctggc ttttcttggt tatgctaagt atattggata gaagaacccg 120
 aaattctttt gggtgccagc aattgccccca ttgatatctg ttattctctc tacccttttt 180
 gtattcttaa tccgtgcaga caagcatggt gttgcaattg taaaacatat agacaaaggg 240
 ctcaatcctt catc 254

<210> 40172
 <211> 134
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941724H1

<400> 40172

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 tttagtactc tcttcccctt tcttttactt tatcttcttc ttctgagctt gtttaagctt 120
 ttcttccata aaca 134

<210> 40173
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941725H1

<400> 40173

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 ggagatacag agatttgga gaccttcctt ctgtaaagga ggaagtcata ttcaataggg 120
 caaatgctgt gtttgcttat gattatcagt tagtggatgt tccagattac cttggtaacg 180
 gggagacaac ttcattcctt tgggtttacc aaaatgaggg agaagcagaa tatgttgtca 240
 gtgtctatat 250

<210> 40174

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700941726H1

<400> 40174

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 cagcaactaa ctaaattcctc aaaacagtgc aatctagtga agattgttgg gtcagttatg 120
 gcagcgttga tttccaaaag gatcctacgt tgttcttctg ggtccttgca ttcactagga 180
 cgatgttact ttgattcacc tgggtttgcc tctatttata aaccacgtga tgtatgcggc 240
 ggtttatctg 250

<210> 40175

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700941728H1

<400> 40175

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 tgggtcttacc aattattcaa gcaaaattca gtaggctttt attatgttca cagctcagaa 120
 gccgtaaaat tgggtctgat ctatttataa cattcattct tccctgcatt ttatcaattc 180
 cttcagtatg tatgtataat gtattgtatc acttggttca tctgtaaaga aattgtaaat 240
 aaatgaga 248

<210> 40176
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941732H1

<400> 40176

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 aagaaagaaa gatgacggag gcatatataa ggaagaagcc cgggatggcg agcgtgaagg 120
 acatgccgtt tctccaggac ggtccaccac caggcgggtt cgctccggtc cggttcgccc 180
 ggcgcattccc caacaagggc cccagcgccg ttgccatctt cctcactgct ttcggcttaa 240
 actcttgggg c 251

<210> 40177
 <211> 115
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941733H1

<400> 40177

gatatacttc accggcgcat aaaacacatc ggcattgtca ttgaattatc attttgggtc 60
 tgtatttgat ggtcagaact gccaaagtacc aagagataaa tgagtcattc attac 115

<210> 40178
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941692H1

<400> 40178

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 aggaatcccc ccggaccagc aacgtctcat ttctgccgga aagcaacttg aggacggccg 120
 tacccttgct gactacaaca ttcagaagga gtctactctt cacctcgctc tccgtctccg 180
 tgggtggcatg cagatcttcg ttaagacact caccggcaag accataagcc tagaggtcga 240
 tagctccgac acca 254

<210> 40179
 <211> 233
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700941739H1

 <400> 40179

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 gctgtttttg tgcgtttctt tgtaacaag agaggaatgg agtctgaaat cattgataga 120
 ctcggaatg gattctctcg gccccattt gcagccgttg tggttgtatg tactgtagtt 180
 tctatcttgg cttgtgtgcc tttgggtgag cttttctttt tccacacaac ata 233

<210> 40180
 <211> 207
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700941651H1

 <400> 40180

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 gcgaaagcag gacgtcctcg aagccaagcc cccccaactg cagcccacgc cgacaaggcg 120
 tcaagagaac gctgcgaggg ggaccacacc tgagcgcaag acaccaggc gcgcctaccc 180
 cgattctgac agagtgcctg tcaaacc 207

<210> 40181
 <211> 145
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700941656H1

 <400> 40181

 cacaaaccgt aacagaacca aacaatgata acccaacggc ttaaccatct acttcactcc 60
 ctcttcctct tcgcagccgc attctccatc ctcaacacaa catacatctt tgcaaacggc 120
 ggttatgccg gtaatggctc cagtg 145

<210> 40182
 <211> 263

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700941657H1

 <400> 40182

 cggagacatc ttcagcacat caaattcaaa tgattcaagc accggaattg ccaaaggaag 60
 aaaagccagt ggaagaagca cctgtcgtca agaaggcaaa tggaactcgt aagaaaagac 120
 aggggccc aa ggttcccaaa tctcccaagg ctaagaagcc aaagagggtg cctcgtgcgc 180
 caaaggatga gaatgctcct gcagttcaac gtgcaagggt tccgaagaaa actactgaaa 240
 ttgtaataaa tgggattgat atg 263

<210> 40183
 <211> 261
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700941658H1

 <400> 40183

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 tctagtgatg ctagaatcaa gactcagaga accatcgcaa cttcttacta tgctctcttc 120
 cttggtgggt ccagaacact cctccaagtc atgaagacaa gttttcctga attgggggtg 180
 acaataaagg attgcttgga aactagttgg atcaaactcg tgctctatat tgcattgcttt 240
 ccaagtgaca cccccccaga a 261

<210> 40184
 <211> 255
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700941660H1

 <400> 40184

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 tgggtggtgtg tcagcacatc tctttgctgt tatacatggt cttctgatgg ttttgtctgg 120
 aattgacacc aacttcactg tgacatccaa ggcagcagtt gatgaagaat ttggagaatt 180

005413-03260

atacaccttt aagtggacta ctctcctgat tctccaaca gngatcactt ctatcaacat 240
tggtgggggt gtagc 255

<210> 40185
<211> 128
<212> DNA
<213> Glycine max

<223> Clone ID: 700941662H1

<400> 40185

ctcaaagtgg aatgaaagag catacttcag cacaagaaaa gtgaagctcg accacgaata 60
tctttccatg gcagtcctgg ttcaggaagt gataaatgct gactatgctt ttgtcatcca 120
cacaacat 128

<210> 40186
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700941664H1

<400> 40186

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acccaagtaa ttaggtgcta ctgtcatgca ggagatattg agcgtggtct tcaaaatttt 120
gagaaccacc taaggcagga caggtctgtt cctgcagaac gtattgtgac tcttgcagaa 180
ggggcaatgg ttgggtacac tgaaaaagga atgcaaatgg ctcaagatat tctggtaagg 240
atgaacgaga gaaacatttt tttg 264

<210> 40187
<211> 259
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700941667H1

<400> 40187

tccatacgtc ggatctgcta taatacgtt gatccatatg ggctcctcg accacttgtg 60
ggacgacacc gtcgccggcc caaggccgga aaacggtctc ggcaagctcc ggaaacacca 120

caccttcact ttccgacctt gctccggcaa gggtagcccc tgccctcagt cctcgttaat 180
 cacactcata taagtcatac acgattttcg ttttaactaca agtccacaca acatacccag 240
 tcgctatagg tngatgtgc 259

<210> 40188
 <211> 86
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941668H1
 <400> 40188

ctagttctag atcgcgagcg gccgtccttt tttttttttt ttttacttag taaaagatcc 60
 ctttcatata gacaccagag gggttt 86

<210> 40189
 <211> 140
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941669H1
 <400> 40189

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 aaagaacaac agtaggattg gcagcaagag acccttcagg gattctctcc ccacacaaca 120
 tacgattttg ctataggggg 140

<210> 40190
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941670H1
 <400> 40190

aagcagtgtg tggttaactgg ggctttgcaa gaataaaagg tatgggatgg ggttgggctg 60
 gtgtaatctg gctgtacagt gtggtaacct atatccctct tgatttactc aaatttgcta 120
 tccgctatat tcttagtggg aaggcttggg ataactcttt ggagaacaag actgccttca 180
 ctacaaagaa agactatggt aaagaagaga gggaagctca atgggcggct gcacagagga 240

cacttcacgg tcttcagcct

260

<210> 40191

<211> 92

<212> DNA

<213> Glycine max

<223> Clone ID: 700941671H1

<400> 40191

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cggatctcat caacctgat ctctcagaat cc 92

<210> 40192

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700941672H1

<400> 40192

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actcatgaca agtctatctc ttacccaaa agtgaatgtt ggcattttta gtccaggggt 120

gatggggctc tatgttgctt tcctttgctg gtgtgcaatt agaagtgaac ctgagggagc 180

tgaatgcac aggaagtcag aatctgcaga caaacagac tggcaaagca tccttaagct 240

tggtgttgca atactag 257

<210> 40193

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700941673H1

<400> 40193

ccaacttttg agagattgga taaattagga ctgattgaag aagatgatgg tgctcgtgtg 60

atatttggtg aggggtgcaaa tataccaatt atttctgtga aaagagatgg tggcttcaac 120

tattcttcaa ctgatctagc agcactttgg tatcgtctaa atgtggaaaa cggttgagtgg 180

aatatatagc ttacagatgt tgggcagtgg caacaccttg atatggtttt taaggccttt 240

aggcgtgcag gatggctgcc

260

<210> 40194
 <211> 158
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941674H1

<400> 40194

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cctcgaacc tccgattccc cctgggccgg ccgcatcacc ttccacacaa catacgagcg 120

agcgaaagtg ggacgtgcag gcagaagcaa gaaggcag 158

<210> 40195
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941676H1

<400> 40195

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ctaactcggtc tatgcaattg cagggttaca acatcaaagc aagaggtgca aaccctaaac 120

acaatcactc acttcaacc acaagtttca cttttccgaa ccctttcttc cctgaagcgg 180

ttccagggtt cctcggagtt cgtgaagctc aaataccaca tgggacttgt gctatcgtct 240

ccacacatca tac 253

<210> 40196
 <211> 110
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941678H1

<400> 40196

ggttatgggt ctttaaccata tcggcctccg tgttgtcttg gatgttgtct acaatcattt 60

gtaatgaagt gggccttttg atgaacattc tgccttgat aagattgttc 110

<210> 40197
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941679H1

<400> 40197

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 tggattatgg agtgtcgcta ctatacactt gtttcaatta agattctttt ctttctttaa 120
 tatatgtcaa ggaaataaaa cgctgccacc gacatgtagg aggccatgtg tacttttttt 180
 tattataggt tttgtatttg ttgtttgtct gttttccgaa ttattttatt ggcctctttt 240
 tttcagtgtg ggtagat 257

<210> 40198
 <211> 260
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700941680H1

<400> 40198

gcaagctagc taggttgaaa atagtttggg tttgtagtaa gtgagggtgag gtgccaaaat 60
 ggtgaagata actcttggtg ctttcgatga ctcttttggg gttgcctctc ttaaggctta 120
 tttggcagag ttccattcaa ctctgattct cgtgntcgtt ggtgttggtt cagccatcgc 180
 ttacaacgag cttacaaaag atgcagcctt ggatccaacg gggctggtgg cagtagctgt 240
 ggcccatgca tttgcactgt 260

<210> 40199
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941682H1

<400> 40199

gaaagaacaa gttcaacaaa tcatcaaaga cattaaggag ttttaaggaaa gcactaagg 60
 tgacaagggt gttgtcctgt ggacagccaa catagagagg tacagcaacc tagttgtggg 120

actaaacgac accatggaaa acctctttgc ttccttggac aggaacgagg ctgagatttc 180
 cccttccacc ttgtatgcca ttgcttgtgt tatggaaaat gttcctttca tcaatggaag 240
 ccctcagaac acctttgtcc cagggc 266

<210> 40200
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941684H1

<400> 40200

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 tttttgcctc agttgggact gctatggcat ttgttggttt ggcagcatgt cgtgcatatg 120
 cagttaaaaa gaattcctct ggtagtcat caagaaaatt tataatggca gagctgactt 180
 aaattaactg ttgaattcgt gttcagtatt gggcacacta atcttggtaa ctttaagtta 240
 gaatatattt tttgtacagt 260

<210> 40201
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941685H1

<400> 40201

attaaaataa acatttttaa tcaaataatt tttttattgt tttagtgtgt ttattaaaac 60
 tgttttagtt ttttttttta aataattttt gtttatttta agaagtaaatt tttatgtgtt 120
 tcttgaaaaa aaaaacttat ataaaagtat ttatttttaa attactttaa attttaaatt 180
 taaataaact caccctaaac tatgtcaatt ttgcaggaaa attaaaaggg gtcgttggat 240
 ttcgttttcg tggatgctg 259

<210> 40202
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941686H1

<400> 40202

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 cagagaggac cctgacttca catgggaagt ggtcaagccc ctcaagtga atgaatggga 120
 gtttttttagc gttgccctta taatgtctat tatccataac tttccacgtc ccttgcctctg 180
 tgttttttctc tcgtcgtcct cctcctatat tgttttctcca gcctttcatt tgtaattttt 240
 tacatgatca act 253

<210> 40203

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700941687H1

<400> 40203

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 agaggaattg ctcacacata aggctgtagt tgagaaaata agagctaaca atgaagaaga 120
 gtcgttgagg ataaatgaag agattgatcg acttaaagtg actgaggagg agaggtctga 180
 atatctgcgc ttgcagtcac aattgaagca tgaagttgat cagtacagac accagaaaga 240
 actacttctg aaggaagct 259

<210> 40204

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700941688H1

<400> 40204

aagtgaccaa gttttgccgg attttaaadc cagatcttgc aattcagcat attcttcctt 60
 gtgtgaagga attgtcatca gattcttcac agcatgtgog ctttggctag gcttcagtaa 120
 taatgggaat ggctccagtg ttgggaaagg tagcaacaat tgagcagctt cttcctattt 180
 tcctttccct tttgaaggat gaatttcctg acgtacgect aaacattatc agcaagcttg 240
 atcaagtga tcaggttat 259

<210> 40205

<211> 218
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941650H1

<400> 40205

actctgtctc gtttacacat ctctccaacc cttcacgttc gtttctcagt cttattcgaa 60
 tccctctctc aatctcctgt ccacacggcc ttcgccctgg cggcacagga aacaccgacg 120
 agaggccac acgacccacg agctcgcgcg agggggacct gcgaaggccc cggggcctcg 180
 ggcgcccgtc cgacaggcga gcctggggcc gggcgagg 218

<210> 40206
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941690H1

<400> 40206

agggatgtga ggtttgccg ccgtgtggaac tgcagtggga gtaggaaggt gtttgatgag 60
 gatgaagagg tggtgaagag gtggttgagg tgcaatgaga atggcttgat tcggtgtcct 120
 aattgttgct cttcttgaag ttgcaaaaa ataaaaataa aacagaaaaa aaagaaataa 180
 aaaagaagaa aaatttggtg atgttttgca tgaaacttag atgcgattcc ttttggttct 240
 ggtgttggtg tccag 255

<210> 40207
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941691H1

<400> 40207

agaaaagaaa atcctcaatt ttctgagcag ccaaacactc tctctctgtc tctcgaaaat 60
 tctcagtttg cagagaaaat ctgaatcatg tcgtggcaag cgtatgtcga cgatcacctt 120
 ctgtgtgaca tcgaaggtaa ccacctcact cacgctgcta tcatcgcca agacggcagc 180
 gtttgggtc agagtaccga cttccctcag ttcaaactg aggagataac tgccatcatg 240

aatgacttta atgagct

257

<210> 40208
<211> 122
<212> DNA
<213> Glycine max

<223> Clone ID: 700941611H1

<400> 40208

gaatggcact tcgttgcttg gtgatgtccc tttctgttct cttcactctt ggtcttgcca 60

aagaaagcca tgccagagac gaagattttt ggcattgctgc atggccaaac actcccatac 120

ca 122

<210> 40209
<211> 218
<212> DNA
<213> Glycine max

<223> Clone ID: 700941612H1

<400> 40209

cacacaacaa acgagcttgc gaaagggaga ataacgaata acaacacagg catacacgaa 60

caacctaata gcctagaagc ccaggtcata gaagaaatct gaaacaaggc ataacaagcg 120

gacatcgcca cacaacgacg gaatgacagc gaaggaaaac acgtcactca cgctgccatg 180

atcggcgaag aagagtcgcg gtcggctcag agtaccca 218

<210> 40210
<211> 171
<212> DNA
<213> Glycine max

<223> Clone ID: 700941613H1

<400> 40210

caattacaca tgtgctgtac ttgtaaatct gattacctag atctttggat aaggcgcctc 60

tagaataagc aagtatgagg gtattcacgc ttaaataaaa ttacgtaaga tgagaaaatt 120

tagtaggcag aaagtaggaa ggtggaaaac ttgaaaggaa ggtattctac a 171

<210> 40211

agaaacagtt ctgcagatta tgggtgggtggt cccagtttcc atgctactga ggactggcca 240
gtcatattcc cccagtcgcg gg 262

<210> 40214
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 700941618H1

<400> 40214

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gtgtacagga cttcacattt gatagtcaaa tgccgtagtt ctctagagct ttttcttgcc 120
atatggttcg tgatgggcaa tgtatgggcc tttgactcac gttttggatc cttcccacaa 180
gcctcaaaat ttcaagtgt ctgcatcatc ttgctttctt ggaatgcaat atgctactct 240
ttccctttcc tattgttttt gcttttgtgt tgtgg 275

<210> 40215
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700941619H1

<400> 40215

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cctacagagt tccaaccaga gaggtttctt actaaggaga ttgatgttaa aggacattac 120
tatgagctat tgacatttgg tgctgggaga aggatgtgcc ctggctaccc tcttggcctt 180
aaggtcattc aagcaagttt ggccaatttg ttgcatggat ttaactggag actgcctgat 240
aatgttatga atgaggattt gaatatggat ga 272

<210> 40216
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700941622H1

<400> 40216

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 tccaaatgac gagttgattg gggatatctaa ggggagaaaag aggattaaga ccgtgaaaag 120
 tttcaaaact actttatgta caaatttgga tggccaaaga actagatatg tgtgtgtctg 180
 tgggggggtg gtgcgtgtta actttggagt ggttttggtc cttggaagtc acttcagaag 240
 agaacctaata caagttatta tag 263

<210> 40217
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941623H1

<400> 40217

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 gaaagtccag gtggtggaca gagctcgttg gggtagctat ttgggtcaga agagtagcca 120
 aatcagcctc tgcccatcaa ggacagctcc attaccaccc tatggcattg acatcgataa 180
 ctccatgccc catcacggtt ctaactgcc aattgtgtgc tcaaacaacc gatctcaagg 240
 ccaccacttg ggaaacattg taactga 267

<210> 40218
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941624H1

<400> 40218

tgaaaaggag gtatgtaatg tgtgggtgtg gtgtgagtga cttaagccca catgagccaa 60
 tgagcagcgt ccaggatcatg attgggtgcg tgctgtgaac gtggcgcacg ttagcccttt 120
 cccccagcaa atcgggtggtg cctccctcc ctccctggtc ctagccacta tgttaccac 180
 tttccctcaa gcctctctcc catggcctcc ttttaagctc ctcccgatgc cccactgcc 240
 gtccccctcg c 251

<210> 40219
 <211> 268
 <212> DNA

<213> Glycine max
 <223> Clone ID: 700941625H1
 <400> 40219
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 accgcttgct gcccgagct gctgtacata aactcccata tgaaggatcat ttcacctata 120
 tctacttttg tcatgaatgc cacagacaga tatttaccac actttttgga accccacaag 180
 gcccaactcag catttctata gaagtagatc aagctaccct agaagagacc aatattgaac 240
 agtaataagt agtaaaagat ggtgatta 268

<210> 40220
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700941626H1
 <400> 40220

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 gtcacgttt ccctgggcaa ctcaacttag attttcgcaa acttgctgtg aatctcattc 120
 ccttctttcg tctgtacttn gtcattgngg gttttgcccc actcacatct cgtgggtccc 180
 aacagtatag agcttttact gtacccgaat tgaccaaca aatgtgggat gctaagaata 240
 tgatgtgtgc agctgaccc cgc 264

<210> 40221
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941627H1
 <400> 40221

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 gtggaacatt tttccacac acccgactac ctagctgcag agggctctta tcaattttca 120
 gctaactgat ggtggaagct caagataagg attgggacgg tagatagggc taggagtccc 180
 tgggatgtat atgcctgtag cgacctctgc cacgctgcgc tacgctttgg ctactgacag 240

cggggacgct tttgtggcat tagacc

266

<210> 40222
<211> 205
<212> DNA
<213> Glycine max

<223> Clone ID: 700941631H1

<400> 40222

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tgttttacaa caagtctgcc tatcaatcaa tagacgcata cttcagaatt attggctatc 120
gagatgatgt tggtcagatg gatagtatgg tacaatagac atgggtggta gcatcagacc 180
tgatgatgaa tatagcactt gtaca 205

<210> 40223
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700941632H1

<400> 40223

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attggttggg acacctttga tgccctgggaa gtctgtggac acttacattt ttgcactcta 120
tgatgaggat ctcaaacaag gcccaggatc tgagcgttta tttggtatgt tcaaaactga 180
tcgcaccgtg tcgtacgacg ttggattaac caagtctagc cagcagactc catcaactag 240
tccaacaact ccagcaccta aaactgctg 269

<210> 40224
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 700941633H1

<400> 40224

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gaacaacctc agtgccctta cagtgaaact cgccatgggt ttgctgacag aaattccagg 120

gacaatcatc aattgagttg tccttataga ggtgctgctt cagattatgg ggcttcaaat 180
 ttccaggtta acgaggtaaa gccggtcata ttccccagct cctttgttca gccaaaacct 240
 actactcagt ctgttaactt ggttccatct gttattgatc 280

<210> 40225
 <211> 268
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700941637H1

<400> 40225

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 catggctttc ttcttcctct taatctccat cttctacctc ttctactccc taaggttcgt 120
 tagccactcc ttcgattgtg atcaaaccac tcacattccc accatcactc atcgtttttc 180
 ttccaacacc ccatctgcgt agnagtcac acccccttt gaataagtta ccaacatttc 240
 ccacatagtc ttgggggtgag gagcctca 268

<210> 40226
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941639H1

<400> 40226

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 agaacttctc ccatgtaagc actgcaccaa ttgagtacac tgaaactagc atttgggacc 120
 tgtctggtgt tcacatcgtc acaggtgccc agcttggtgt ttgggacttt ggtgccaaaa 180
 atgtgttaca ccttaagctc cttttctcta aggtaccagg atgtacatta cgccgctccg 240
 tgtgggatca caatccctcc actcct 266

<210> 40227
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941641H1

<400> 40227

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tctaaggcac aggttagcgg ttggcctcct attagatcat ttaggaaaaa ctcaatggct 120
accaccacta acaggaacaa tgatgaagtc gatggaaaac caggtgttgg cgcaatcttt 180
gtcaaggcca gcatggatgg tgctccgtat cttaggaaaag cagatctaag ggtttatatg 240
acatatcggg gactatcttc tgcctt 267

<210> 40228

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700941642H1

<400> 40228

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ctgtgtcaat gtgtttttct tttttatcgt ttccaatttg tttttgaagt acttctccaa 120
ttattggtca ccaaattgggg ggccaaggat tcttctatgt gtagggtagt ggcaatttca 180
aagaaggcca aggattctat ttgtagggtg gtggcacttt caaagagttt ctttctcttt 240
taaaaactcg ttaattcttt atgt 264

<210> 40229

<211> 143

<212> DNA

<213> Glycine max

<223> Clone ID: 700941643H1

<400> 40229

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<210> 40230

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700941647H1

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tgacgtgttt cgatgctaaa aaaaaaaaaa aaaaagaaaa gaaaaaaaaa aaggggggtc 180
cccgaatta tagggtttgt acccggggtt tatctgcgtt ccggattatt ggagggggccg 240
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<210> 40231

<211> 184

<212> DNA

<213> Glycine max

<223> Clone ID: 700941648H1

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<210> 40232

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700941610H1

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agttgctacc atccttagtt acctgaccaa ggccccctctg gttccaccgg gtacaccagt 180
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<223> Clone ID: 700941649H1

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 aagggttcagt gtttatattg tggttccaat gtggccagag ggttaccag aaaaaggaac 180
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<223> Clone ID: 700941561H1

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 <212> DNA
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<223> Clone ID: 700941565H1

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 cctgtgataa tccatttgg tgctctatat tttggcctag gatggcttgt tttgcgaaat 180
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<223> Clone ID: 700941569H1

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gctcaagttt aaacacagga atctcaaacc agtccgaact cccaaaaccg aagcggatga 180
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<223> Clone ID: 700941571H1

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<223> Clone ID: 700941574H1

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<223> Clone ID: 700941575H1

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cgtctcgcga tcgctgtcgc cgccgtgctc ctctgtggccc tctccgctc caccgcgacg 180
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<210> 40240

<211> 68

<212> DNA

<213> Glycine max

<223> Clone ID: 700941578H1

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<210> 40241

<211> 88

<212> DNA

<213> Glycine max

<223> Clone ID: 700941579H1

<400> 40241

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<210> 40242

<211> 227

<212> DNA

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<223> Clone ID: 700941580H1

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